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THE CHEMICAL MARKET AUTHORITY

SINCE 1871

Volume 134 AUGUST 1, 1938 Number 5

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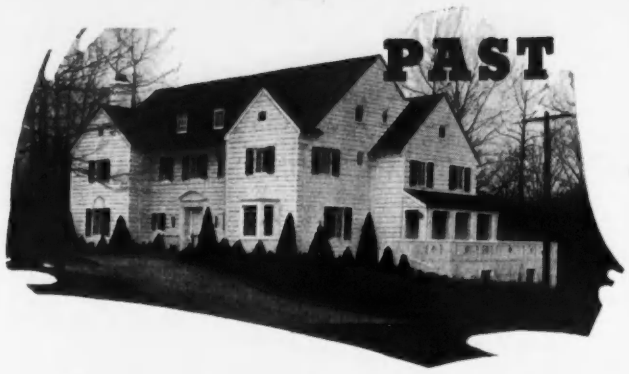

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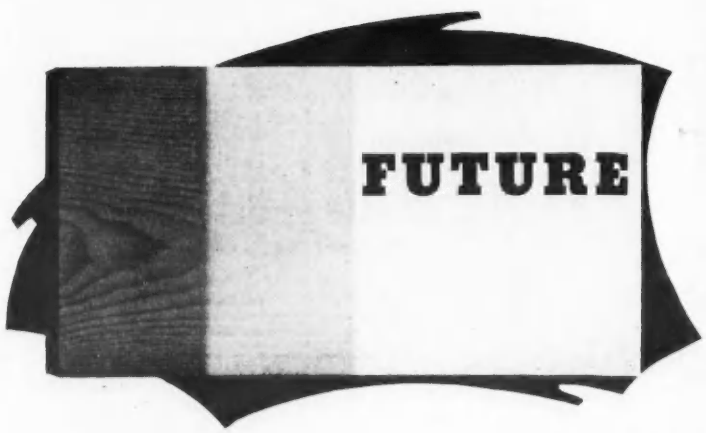

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Volume 134 AUGUST 1, 1938 Number 5

Chemical Workers And Payrolls Down

Employment Off 4.3 Percent —Payroll Totals Also Down —Both Are Well Under 1937

Employment in factories engaged in the manufacture of chemicals and related products in the United States noted a decrease of 4.3 percent from May 15 to June 15, according to the Bureau of Labor Statistics. At the end of the monthly period employment was 16.4 percent below the corresponding level of June, 1937. Payrolls showed a decrease of 2.8 percent from May 15 to June 15, and stood 16.7 percent below the corresponding level for 1937.

The Bureau of Labor Statistics index number for factory employment in the chemical group of industries June 15, 1938, was 103.6 (100 equals 1923-25 average), compared with 107.2 for May, and 123.9 for June, last year. For payroll totals the index number was 114.5 (same basis), compared with 117.7 for May, and 137.4 for June, last year.

The bureau's general index numbers for all manufacturing industries June 15, 1938, showed the following comparisons:—

	June, 1938.	May, 1938.	June, 1937.
Employment	75.7	77.4	101.1
Payroll totals	67.0	69.2	102.9

Employment in the chemical group of industries June 15 was 0.7 percent above the average for all industries. Payroll totals were 0.5 percent above the general average for all industries.

Detailed Comparisons

Employment

(100=1923-25 average)

	June, 1938.	May, 1938.	June, 1937.
Chemicals	107.7	107.6	138.5
Cottonseed oil, cake and meal	47.8	57.3	43.9
Druggists' preparations	103.7	104.0	108.8
Explosives	84.7	84.8	94.8
Fertilizers	61.7	90.4	75.7
Paint and varnishes	116.8	118.7	138.9
Petroleum, refined	117.7	117.4	126.0
Rayon and allied products	278.9	304.0	391.4
Soap	91.6	91.7	102.5

Payroll Totals

(100=1923-25 average)

	June, 1938.	May, 1938.	June, 1937.
Chemicals	117.1	115.9	153.5
Cottonseed oil, cake and meal	42.8	51.2	38.6
Druggists' preparations	114.8	114.6	121.3
Explosives	89.2	85.9	103.0
Fertilizers	66.7	95.7	79.2
Paint and varnishes	118.4	122.2	142.7
Petroleum	135.9	138.4	143.0
Rayon and allied products	258.1	275.0	391.8
Soap	106.9	107.2	115.1

—Continued on page 31

F.T.C. Challenged As Liquor Trade Arbiter

OPD Washington Bureau
July 28, 1938

Authority of the Federal Trade Commission to regulate practices in the liquor trade is challenged by the Raritan Distilleries Corporation, Perth Amboy, N. J., in connection with a complaint by the commission that charges the company with unfair competition. The basis of this complaint as the allegation that the company has no factual or legal right to use the word, "distilleries," in its corporate name or in connection with its operations, because it is not a distiller.

Counsel for the Raritan company say that the commission has no jurisdiction over practices in the liquor trade. They contend that the act setting up the Federal Alcohol Administration, at least by implication gave this agency exclusive authority over the liquor business.

Meanwhile the Federal Alcohol Administration has vigorously denied a published report that it had submitted to the Department of Justice a report covering its investigation into alleged monopoly practices in the distilling industry. The administration avers that it has not made any such investigation, and it is endeavoring to find the source of the report that it had completed one and submitted findings to the Departmen of Jusice.

Chile to Erect Fertilizer Plant

Santiago, Chile, July 29, 1938

Plans for the erection of a fertilizer factory by the Chilean government are contained in the provisions of a bill introduced recently in the Chilean congress by Senator Abram Gatica. The bill asks for the authorization of President Arturo Alessandri to draw $50,000 annually, for a period of five years, from the government's nitrate industry to finance the project.

Yeast Therapeutic Claims Moderated

OPD Washington Bureau
July 28, 1938

Standard Brands, Inc., New York, has entered into a stipulation with the Federal Trade Commission to discontinue certain misleading representations in connection with the sale of Fleischmann's compressed yeast.

The respondent company agrees to cease representing that the product will cure or prevent constipation, bad breath, boils, acne, pimples, or other manifestations of irregular digestion, and that it will "clear" skin irritants out of the blood, unless limited to such skin irritants as competent scientific tests prove can be removed from the blood by using such product.

Other representations to be discontinued are that Fleischmann's compressed yeast will prevent or correct underfed blood, or increase the capacity of the blood to perform its functions, except insofar as competent scientific evidence demonstrates that the vitamins and other constituents of the product affect the composition and functions of the blood and supplement and enhance the biologic values of food.

Drug Law Regulations Are Approved and Promulgated

New Drug Definition Set Out in Comprehensive Detail—Exceptions Laid on Furnishing Samples —Sections 502 (j) and 601 (a) Not Covered

OPD Washington Bureau
July 28, 1938

Regulations for the administration and enforcement of some of the provisions of the new food, drug, and cosmetic act which became effective upon the signing of the measure June 25 were approved and promulgated July 22 by M. L. Wilson, acting Secretary of Agriculture.

These regulations have to do with section 505, providing requirements to be met in the introducing of new drugs, which specifically became effective June 25, and to section 201 (p), closely related to section 505 because it has to do with the definition of a "new drug." The definition set down in the regulation is very comprehensive.

The approved regulations have to do also with section 702 (b), containing a new administrative provision that respondents or other interested parties be furnished with a portion of an official sample collected in the administration of the act. Several exceptions to this procedure are set up in the regulations, as is provided in the act.

No regulations have yet been promulgated or approved with respect to sections 502 (j) and 601 (a), which also became effective June 25. Section 502 (j) declares a drug to be misbranded if it is dangerous to health when used as directed. Section 601 (a) covers the adulteration of a cosmetic by reason of a potential hazard from its composition when used as directed. Several seizures of eyelash dyes have already been made under this section, but it is the feeling of officials that regulations could do little more than repeat the language of the statute.

More Regulations in Hand

The Department of Agriculture says that other necessary regulations relating to provisions of the act effective since June 25 will be issued as soon as practicable. These will include import regulations and those covering the conduct of hearings. The adoption, for the purposes of the new law, of the import regulations now effective under the old food and drugs act of 1906, is being proposed to the Secretary of the Treasury. Regulations governing the conduct of hearings are being formulated.

Another regulation to be issued will cover the conduct of hearings before the Food and Drug Administration. This latter is necessary because the new

—Continued on page 45

Contract Breaching Stopped by F.T.C.

OPD Washington Bureau
July 29, 1938

Health-Mor, Inc., Pittsburgh, has entered into a stipulation with the Federal Trade Commission to stop certain misleading representations in the sale through its agents of vacuum cleaners designated "Health-Mor Sanitation Systems."

Under its stipulation, the respondent company agrees to cease selling its products through use of inducements made by its representatives, the effect of which is to cause the breach of valid contracts existing between customers of the respondent's competitors and such competitors for purchase of the competitors' products. According to the stipulation, the respondent company's representatives, acting for Health-Mor, Inc., induced customers of competitive companies to breach their contracts with such competitive concerns whose merchandise was then replaced by the products of Health-Mor, Inc.

Two Years of the Patman Act

A Survey of Efforts to Correct Price-Discrimination

By Mitchell M. Shipman

Counsellor-at-Law

Seventh Instalment

(Continued from July 25 issue)

Basing Points and Delivered Price Systems

The legality of basing point systems is now more than ever seriously in doubt. This doubt is present notwithstanding the fact that the Robinson-Patman act as originally presented in the house did contain a provision prohibiting basing points, which provision was subsequently eliminated from the act when passed. There is also some discussion on this problem to be found in the senate hearings wherein it appears that the legislature did not intend the act to prohibit basing points.[63]

Notwithstanding such apparent intention that the act not abolish basing point pricing systems, the commission has taken the position that basing point pricing systems are in violation of the Robinson-Patman act. The commission has, for example, cited the Cast Iron Soil Pipe Association,[64] and about thirty-five manufacturers for allegedly violating the Robinson-Patman act by their use of the "Birmingham Plus" basing point system. Under this method of pricing, the manufacturers of cast iron soil pipe, no matter where their plants might be located, would sell their products at delivered prices, computed by taking a base price and adding to it the freight rate from Birmingham to the given buyer's freight station. All quantity or trade discounts were applied on this delivered price.

The commission's complaint in the Cast Iron Pipe case set forth two counts, the first being that this delivered price basing point system violates section 5 of the Federal Trade Commission act in that it constitutes "unfair methods of competition in commerce."[65] As to this first count, the commission alleges that certain injurious effects to competition result therefrom, such as enhancement of prices, elimination of natural advantages of buyers and true competition. The second count is an allegation that this delivered price basing system violates the Robinson-Patman act.

Net Delivered Price Is Basis

The commission distinguishes between the delivered price and the "actual" or

[63] 80 Congressional Record, page 10018, June 18, 1936.

[64] Cast Iron Soil Pipe Association, et al.; complaint No. 3091, March 26, 1937.

[65] It is interesting to note that the complaint in the Cast Iron Soil Pipe case was issued March 26, 1937; section 5 was amended subsequently (March 21, 1938), so as to include "unfair or deceptive acts or practices" as well as unfair methods of competition.

—Continued on page 34

Eyelash Dye Seizures Extended by F.D.A.

OPD Washington Bureau
July 25, 1938

On the recommendation of the Food and Drug Administration, Federal district attorneys at New Orleans and Houston today caused the seizure of consignments of "Magic-Di-Stik Lash and Brow Dye," manufactured by Dependable Concentrated Cosmetics, Inc., Los Angeles. Another lot at Memphis is being proceeded against. The government charges that this product is adulterated within the meaning of the recently enacted Federal food, drug, and cosmetic act because it contains paraphenylenediamine, a coaltar product which may cause serious eye injury or even blindness to users.

The "Magic-Di-Stik" product is reported to be in many respects similar to "Lash-Lure," the preparation which was the first article seized under the new law. The distributors of "Magic-Di-Stik," as did those of "Lash-Lure," are said to have enclosed in each package slips to be signed by customers, designed to absolve the beauty shop distributor and manufacturer from any liability if the use of "Magic-Di-Stik" results in injury.

Closing Market Developments

Fish Ammoniates Strong

According to local reports, buyers bids of $3.25 and 10c. for unground Chesapeake manhaden futures were not accepted by the fishermen late last week. At the same time, importers of Japanese sardine meal said they were unable to offer their material for shipment at less than $44.50 per ton, c.i.f. No sales were made at that figure, however.

Oils and Fats Output

According to Census Bureau figures issued late last week factory production of oils and fats during the second quarter of 1938 was:—vegetable oils, 527,428,168 pounds; fish, 3,345,848 pounds; animal, 419,459,954 pounds; greases, 80,157,729 pounds.

Chinawood Oil Higher

Chinawood oil was strong late in the week, sales being reported on Friday at a further advance to 14½c. per pound in tankcars. The general list of oils, fats and greases was firm.

Copper Firm

Consumer buying of copper in the domestic market at the newly established 10⅛c. per pound level was stated to be in very satisfactory volume. Copper sales have been in excellent volume in the foreign market at 10.27½c. to 10.30c. a pound. Refinery buying price for scrap copper has been advanced ⅛c. per pound, making No. 1 heavy copper wire scrap 8¾c. per pound.

Tetrachloride of Tin Higher

Anhydrous tetrachloride of tin was advanced fractionally to 22½c. per pound later in the week. Tin crystals were unchanged at 35c. to 35½c. per pound, and soda stannate was quoted at 29½c. to 32½c. per pound. Straits tin closed at 44¼c. per pound.

Foreign Trade Rules

Information recently published by the Department of Commerce on foreign tariff and related trade regulations include the following:—

Edible Oils:—Supplementary taxes on edible fats and oils imported into Switzerland have been increased about one-fourth.

Import Licenses:—Uruguay prohibits firms who have not paid their operating licenses from applying for import duty permits. The minimum fee for an operating license is 300 pesos per annum.

Linseed Cake and Meal:—Sweden has increased the general tax on imported and domestically produced linseed cakes and meal to 0.03 from 0.02 crown per kilo, and on other oil cakes and related products the rate has been increased to 0.05 from 0.04 crown per kilo.

Gasogene Apparatus:—The Brazilian government has recently exempted gasogene apparatus from import duty.

New York Drug Bill In Summer Sleep

Insofar as most officials of this city are concerned, the bill of a municipal law drastically regulatory of the sale and advertising of foods, drugs, and cosmetics—particulars of this measure were given in the REPORTER last week—apparently will sleep undisturbed during the Summer recess of the "city fathers." The mayor is announced to be too busy to give consideration to the matter at this time, and he has not replied to a protesting communication sent by Hugo Mock, counsel of the Toilet Goods Association, or to other inquiries addressed to him by mail or telephone.

Dr. John L. Rice, municipal commissioner of health, is studying the bill in comparison with the new Federal law. He says that he had not yet got far enough with this study to be able to express an opinion on the local proposal. It did not originate in his department.

Chairman Sharkey of the councilmanic committee in change of the bill says that, while his general welfare group expects to go into action again shortly after Labor Day, it cannot be foretold when the committee will get around to consideration of the drug bill.

The news is that various trade interests have sent protests to the mayor and the council, and that several requests to be heard on the bill have been made.

Chemical Price Trend Indefinite

There were ups and downs in prices in the market for heavy and fine chemicals last week, a few more of the former than of the latter. Some narrow groups of items had changes in both directions. The more important revisions were advances in copper salts and naval stores and reductions in quicksilver and ephedrine.

The movement of materials was heavier, but spotty. Unseasonal weather affected seasonal characteristics. Buying was confined with considerable caution by the vaugeness of most expectations.

Prices were advanced on electrolytic copper, blue vitriol, black and red oxides of copper, gum rosin, gum turpentine, J2 myrobalans, ground sumac, sumac leaves, one Manila copal, and hoofmeal and tankage at Chicago.

Prices were reduced on quicksilver, ephedrine, secondary butyl acetate, egg albumen, valonia beards, podophyllin, several Congo copals, and milk powder.

The REPORTER's composite index number of prices for heavy and fine chemicals was not appreciably affected, remaining at 125.9 (100 = average at August 1, 1914). In comparison with average prices in 1926 (as 100), the REPORTER's index number is now 89.1, against 90.0 a year ago and 88.6 in 1936.

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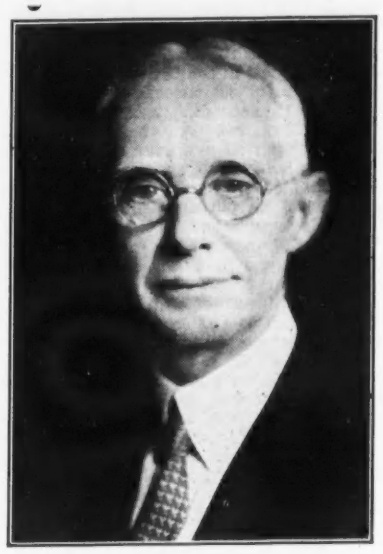
Obituaries

Dr. Charles H. Herty

Dr. Charles Holmes Herty, long regarded as one of the greatest American chemists, died from a heart ailment July 27 in a hospital in Savannah, Ga., the city where his recent years have been spent in evolving new and improved uses for pulp from Southern pine. He was seventy years of age.

Born in Midgeville, Ga., Dr. Herty grew up with every intention of succeeding his father as a druggist in his native town. He received his early education at the Georgia Military and Agricultural College and went on to the University of Georgia, where he



Dr. Charles H. Herty

was graduated in 1886, and subsequently did graduate work at John Hopkins University, receiving his Ph.D. from that institution in 1890.

Dr. Herty's first position was as assistant chemist for the Georgia State experimental station, but in 1891 he returned to the University of Georgia to teach chemistry. In 1899 he applied for a leave of absence and spent two years in Europe at the Universities of Berlin and Zurich. Through conversations with European professors, Dr. Herty's attention was directed to the wasteful methods practiced in the turpentine industry in the United States. In 1902, he resigned his teaching position to do research work for the United States Bureau of Forestry on the conservation of turpentine pines. In 1903 he studied the turpentine industry in France and Austria, and the marketing of naval stores in London. As a result of his wealth of knowledge of the industry he evolved an efficient method of gathering turpentine, which consisted of a cup and gutter arrangement for the collection of the gum, and a light chipping of the trees, instead of the destructive "boxing" method. He resigned his government position in 1904 to further the manufacture of the Herty Turpentine Cup with the Chattanooga Pottery Company, which device revolutionized the industry.

In 1905 Doctor Herty became head of the department of chemistry at the University of North Carolina where, for next eleven years, a number of investigations were carried on volatile oils, resins, especially in relation to the varnish, paint, and soap industries. He also found opportunity for some important research in organic chemistry, particularly in the field of double salts and complex ammonia compounds. His rapid method of determining oil in cottonseed products was being widely used at that time. In 1908 he was made dean of the School of Applied Science.

Dr. Herty was elected president of the American Chemical Society during the critical war years of 1915 and 1916. He was prominent in establishing the first Exposition of Chemical Industries in 1915, and he advocated the purchase of supplies sufficient to last until American plants could assure their manufacture to meet the demand, and he was an ardent advocate at that time for a high protective tariff on dyes and medicinals from coaltar. Upon the completion of his second term as president of the society, Dr. Herty was made editor of its official organ, the *Journal*

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Drug-Chemical Section Plans Fall Outing

The Drug, Chemical and Allied Trades Section of the New York Board of Trade will hold its Fall meeting in the customary conjunction with its annual golf tournament October 21 and 22 at Skytop lodge, Skytop, Pa. Plans for the dual event were started at a meeting of the committee on arrangements July 26.

In addition to the special program of addresses and the golf tournament and incidentals which have made this Fall gathering of members of the section and their friends very attractive, this year's event will have several innovations. Among these in course of preparation are a cocktail party upon arrival the evening of October 20—the usual social features of the trip will not be omitted—and a beefsteak roast atop a 2,000-foot Pocono peak the night of October 22.

As accommodations at Skytop lodge are limited to 300, reservations will be made in the order of their reception at the office of the section, 41 Park Row, this city. Particulars will be published soon.

The members of the committee on arrangements and their particular functions are:—

General chairman, William D. Barry, of Mallinckrodt Chemical Works.

Golf, Charles E. Kelly, of Hagerty Brothers & Co.

Program, Hugh Craig, of the OIL, PAINT AND DRUG REPORTER.

Publicity, Turner F. Currens, of the Norwich Pharmacal Company.

Reception, Ralph E. Dorland, of the Dow Chemical Company.

Transportation, Robert B. Magnus, of Magnus, Mabee & Reynard, Inc.

Narcotics Production Close to Consumption

OPD Washington Bureau
July 26, 1938

World production of principal narcotic drugs coincides very closely with legitimate consumption, the Opium Advisory Committee of the League of Nations has reported, according to Stuart J. Fuller of the State Department, who has just returned from the meeting of the committee at Geneva.

A summary of the committee's latest statistical findings, prepared by Leon Steinig, of the committee secretariat, gives the information that, while at least 90 tons of morphine in excess of legitimate world requirements was manufactured and escaped into the illicit traffic between 1925 and 1930, since 1931 the surplus from lawful manufacture of the five principal drugs—morphine, diacetylmorphine, cocaine, codeine, and dionine—which might have escaped into the illicit traffic, has disappeared. From 1931 to 1935 the lawful world production almost coincided with the average annual world requirements—approximately 29 tons.

In 1936, the latest year for which complete statistics are available, a marked general increase is shown in the production of each of the five principal drugs, as follows:—

	Tons	
	1936.	1935.
Cocaine	4.20	4.00
Codeine	24.30	19.90
Diacetylmorphine	0.87	0.67
Dionine	2.60	1.80
Morphine	36.80	30.80

Increases in consumption of the fine drugs in 1936, compared with 1935, had the following relation to increases in production:—

	Percentages	
	Consumption.	Production.
Cocaine	5	5
Codeine	†26	22
Diacetylmorphine	14	30
Dionine	†50	40
Morphine	*5	20

* Consumed as such; not converted into other drugs.
† Estimated.

It is pointed out that the whole of the increased amount of six tons of morphine manufactured in 1936 was used for conversion into other drugs, particularly codeine and dionine; the amount of morphine left over for use as such being almost exactly the same in 1936 as in 1935.

The secretariat's statement examines the question of what use was made of the increased quantities of the five principal drugs manufactured in 1936. These quantities were not exported, since the statistics indicate a general decrease in the exports of all the principal drugs; nor do the quantities appear to have gone to swell world stocks, since the stocks at the end of

—*Continued on page 44*

Turkey Lays Foundation For Large Chemical Plant

London, July 26, 1938

The foundation stone of a new chemical manufacturing plant has just been laid at Ismidt, Turkey, by the Minister of Economy, M. Sakir Kesebir.

The new factory is to be built by a German concern on deferred payments. It is to cost $175,000 and marks the beginning of an extensive three years' chemical plan. Multiple plants are to be constructed, utilizing exclusively native raw materials, for the production of chemicals of all descriptions on a large scale.

Cottonseed Meal Used in Galvanizing

OPD Washington Bureau
July 27, 1938

Promises of a new market for cottonseed meal are presented in the issuing of a patent covering the use of this material as a foaming agent in the flux used in the process of galvanizing metallic sheets. The inventor claims that this use of cottonseed meal is applicable also to hot-dip coating of metal with cadmium, lead, or tin.

This new patent (U.S. 2123949) has been issued to E. I. du Pont de Nemours & Co., Wilmington, Del., under assignment by Raymond J. Kepfer, the inventor. It comprises two claims:—

1. As a new article of manufacture, a foaming galvanizing flux composition for use on a galvanizing bath of molten metal comprising a predetermined amount of cottonseed meal and a chloride flux selected from the group consisting of zinc chloride, ammonium chloride, and zinc-ammonium chloride.

2. In a process of hot-dip galvanizing wherein articles to be coated are immersed in a bath of molten zinc, the steps comprising adding directly to the bath a foaming flux comprising a predetermined amount of cottonseed meal and a chloride flux selected from the group consisting of zinc chloride, ammonium chloride, and zinc-ammonium chloride, and maintaining a desired foam character and thickness by directly adding more of the foaming flux as desired.

In explanation of his claims the inventor gives several examples of the application of zinc-ammonium chloride fluxes containing from 1 to 5 percent of cottonseed meal as foaming agent. With 3 percent of the meal, the flux formed a 5-inch foam blanket that lasted thirty-six minutes; with 5 percent of the meal the blanket was 7 inches thick and lasted about thirty-nine minutes.

The life of the foam is one of the chief bases of the inventor's claim for superiority of cottonseed meal over glycerin or tallow heretofore used as a foaming agent in galvanizing fluxes. The foam is desired to entrap fumes and to retard the rate of volatilization of the flux. Shorter-lined foams, it is said, resulted in considerable loss of flux and foaming agent, a condition which, the inventor says, was aggravated by the method heretofore used of adding the foaming agent separately from the flux and as was indicated to the operator. In the Kepfer process the flux and the foaming agent are mixed previous to the introduction of the flux to the bath of molten metal.

F.T.C. Charges Hits Foodstuffs Brokerage Firm

Unlawful payment and acceptance of brokerage fees, in violation of the Robinson-Patman act, is alleged by the Federal Trade Commission in a complaint issued against the Mississippi Sales Company, Meridian, Miss., which is a general merchandise brokerage house, and against a group of concerns for which it acts as intermediary in either the purchase or sale of merchandise, particularly foodstuffs.

Respondents named in the complaint as purchasing a substantial portion of their requirements through the Mississippi Sales Company, are the Jobbers Produce Company, Meridian, Miss.; the Penny Stores, Inc., operating a chain of cash and carry groceries with headquarters in Meridian, Miss., and the Buckley-Young Company, a wholesale grocery firm at York, Ala. These corporations are designated in the complaint as buyer respondents.

Another respondent, S. O. Scott, is president and a director of the Mis-

—*Continued on page* 46

Drug Industry Plans to Show Medicine Chest at World Fair

The largest medicine chest ever built, with a mirror capable of reflecting 3,000 persons at one time, was introduced last week at a preview of an exhibit planned for the Hall of Pharmacy at the New York World Fair. Members of the advisory committee for the drug industry's participation in the world fair were present at the showing. Lee H. Bristol, vice-president of the Bristol-Myers Company, presided.

The drug industry building at the fair, to be known as "The Show Globe—Hall of Pharmacy" is near completion near the Perisphere and Trylon theme center. The building will house exhibits of all branches in the pharmaceutical field. The general exhibit will involve an expenditure of approximately $1,000,000.

The medicine chest preview was presented by Donald Deskey, designer of the interior of Radio City music hall and other important community centers. Mr. Deskey presented a plan dramatizing the medicine chest as the family's first line of defense against disease and infection. The giant chest will be used as the focal point of an exhibit offering a dramatic and visual demonstration of how science safeguards the family. The chest will be mounted on a turntable 45 feet in diameter. It will contain eight stages. These will be used in portraying the story of the origin, laboratory and clinical research, manufacturing control and use of products that ultimately reach the shelf of the family medicine chest. A commentator will describe the action as it takes place on the various stages and in some of the scenes puppets 16 feet in height, designed by Remo Bufano, will be used.

The medicine chest demonstration will be one feature of three separate theme exhibits in the Hall of Pharmacy. The other themes will embrace "Pharmacy and Its Contribution to Civilization" and "The Drug Store as the Community First Aid Center." In the latter exhibit there will be reproductions of historical drug stores. The section devoted to pharmacy will depict the origin of drugs and their use in compounding perscriptions.

Joseph A. Huisking is chairman of the advisory committee for the drug industry's participation in the fair. Other members of the committee include Lee H. Bristol, A. H. Diebold, Ray A. Whidden, William Y. Preyer, Robert L. Lund, Wilbut E. Dewell, Charles S. Beardsley, J. Leon Lascoff, Charles Luckman, J. Edward Murray, Jerry McQuade, William H. Berg, Kenneth Bonham, Harry J. Schnell and Thomas R. Farrell.

The building allocated to the drug industry has been leased to The Show Globe, Inc., formed for the purpose of planning and managing the project. Harvey Wiley Corbett, chairman of the board of the corporation who served as the chairman of the board of design at the Century of Progress Exposition, will act as chief consultant on design. Other officers of the corporation are:—President, Earle A. Meyer; vice-president, Noble E. Stephens; secretary and counsel, Clarence G. Meleney.

The Hall of Pharmacy building will be dedicated early this Autumn. At the same time there will be ceremonies launching the organization of the Internation Drug Club which is to have headquarters in this building during the fair period. Membership in the club will embrace the entire industry including 60,000 retail druggists.

Denaturant Chemists Designated by T.D.

OPD Washington Bureau
July 25, 1938

The office of the Commissioner of Internal Revenue has compiled and issued a list of the chemists officially designated by the Treasury Department to examine samples of alcohol denaturants submitted to them by duly qualified denaturing plants in accordance with article 109 of regulations No. 3.

This list, published in AT-LB circular AT. No. 401, to which reference should be made in correspondence having to do with the matter, is as follows:—

California—Smith, Emery & Co., 651 Howard street, San Francisco.

Colorado—Paul S. Nice, 312 Seventeenth street, Denver.

Delaware—Harold E. Tiffany, Wilmington Testing & Research Laboratories, Equitable building, Wilmington.

Hawaii—M. B. Bairos, Honolulu.

Illinois—H. M. Deavitt, 290 South La Salle street, Chicago; E. F. Cowperthwaite, Sutcliffe & Case Company, 312 South Adams street, Peoria.

Indiana—John M. Sanford, 121 North Ninth street, Terre Haute.

Kansas—Prof. Ralph F. Neilson, St. Benedicts College, Atchison.

Kentucky—William E. Janes, 310 Commercial building, Louisville.

Louisiana—W. L. Howell, United States Customs Laboratory, New Orleans.

Maryland—Penniman & Browne, 341 St. Paul place, Baltimore.

Massachusetts—Arthur D. Little, Inc., Charles River road at Kendall square, Cambridge.

Minnesota—Charles V. Netz, University of Minnesota, Minneapolis.

New York—Hochstadter Laboratories, 254 West Thirty-first street, New York.

Ohio—Dr. Sigmund Waldbott, Court and Plum streets, Cincinnati; F. C. Broeman & Co., Third and Walnut streets, Cincinnati.

Pennsylvania—Samuel P. Sadtler & Sons, Inc., 210 South Thirteenth street, Philadelphia; J. R. McTaggart, Pittsburgh Chemical & Pathological Laboratory, Pittsburgh.

Puerto Rico—R. del Valle Sarraga, P. O. box 935, San Juan.

Washington—I. F. Laucks, 314 Maritime building, Seattle.

West Virginia—Commercial Testing & Engineering Company, P. O. box 832, Charleston.

Wisconsin—J. F. Stephl, Stephl Laboratories, 290 Third street, Milwaukee.

N.J. 'Loss Leader' Law To Get Court Test

Suit has been instituted in the Third District Judicial Court, in Hackensack, N. J., designed to determine the validity of the Ellis act prohibiting sales below cost.

The litigation has been inaugurated by the Retail Grocers Association of New Jersey. The defendant is Packard-Bamberger & Co., operator of a retail food market in Hackensack. This dealer has been vigorous in its denouncing of the "loss leader" law in its advertising and publicly declared its intention to violate the law so that a test case might be made.

Eli Lilly & Co. Erecting Manufacturing Plant in England

Eli Lilly & Co., pharmaceutical manufacturer, is constructing a manufacturing plant at Basingstroke, England. The structure will be centered on a 20-acre site 48 miles southwest of London and 31 miles northwest of Southampton. The structure will be 220 feet long and 60 feet deep.

A.S.M.E. Plans Study Of Rubber, Plastics

Appreciating the significance of the widely developing industrial and mechanical applications of rubber and plastics, the American Society of Mechanical Engineers has established a committee, or subdivision, on rubber and plastics, which will deal with several phases of the rubber and plastics industries, including mechanical applications, research on basic mechanical properties, processing equipment, and standards. The activities of the group will be beyond the normal range of other professional organizations in an effort to fill the present gap in the mechanical field.

The committee will sponsor the presentation of papers at technical sessions of the regular quarterly meetings of the society. A symposium on "Rubber," comprising four invited papers covering the history of rubber, synthetic substances with rubber-like properties, fabrication of rubber parts, and certain mechanical properties of rubber, is included in the program of the next meeting of the society to be held in Providence, October 5 to 7. Participation in activities of the committee will not be restricted to members of the parent society.

Authors of papers believed suitable for presentation at subsequent quarterly meetings are invited to communicate at least four months in advance with Dr. J. F. Smith, of the Edward G. Budd Manufacturing Company, Twenty-fifth street and Hunting Park avenue, Philadelphia, secretary of the rubber and plastics committee; or with the chairman, Dr. F. L. Yerzley, of E. I. du Pont de Nemours & Co., P. O. box 525, Wilmington, Del.

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● Painstaking workmanship—and the skill that can be acquired only through long practical experience insure the unfailing uniformity of our line of Ultramarine and Cobalt Blues. They are of standard specialized types to meet the exacting needs of today's manufacture of Paint and Printing Inks. Throughout every step in their processing, their quality is safeguarded by our own supervision in our own plant. We also offer a full range of types for the Paper, Rubber, Soap, Linoleum and Textile Trades. Send today for free working samples of these outstanding blues.

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Fulton water-proof, paper-lined bags are available for prompt delivery from St. Louis to the West and Middle West, and from Atlanta to the East.

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Containers for Gases, Liquids and Solids

RECEIVED AUG 1 1938 LIBRARY THE CHEMISTS' CLUB

Current Market Quotations

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When not otherwise indicated, quotations are f.o.b. New York prices on large lots. Prices changes and trends are noted in the market reports on other pages, with other informative comment. The locations of the several reports are indicated on page 4.

A

Acacia (see Gum, Arabic)		
Acetal, dms., dlvd	lb.	.75 - 1.00
Acetaldehyde, 99%, 55 & 110 gls., dms., dlvd	lb.	.14 - —
5 & 10 gal. dms., dlvd	lb.	.16 - —
Acetamide, CP, kgs., 1,000 lb. lots, dlvd	lb.	.44 - —
tech., kgs, 1,000 lb. lots, dlvd.	lb.	.39 - —
Acetanilide, tech., 95%, bbls.	lb.	.29 Nom.
USP, cryst., bbls., 2,000 lb. lots	lb.	.32 - —
smaller lots	lb.	.33 - —
dms., 25 lb. lots	lb.	.38 - —
kgs, 2,000 lb. lots	lb.	.33 - —
smaller lots	lb.	.34 - —
powd., bbls., 2,000 lb. lots	lb.	.30 - —
smaller lots	lb.	.31 - —
dms., 25 lb. lots	lb.	.36 - —
kgs., 2,000 lb. lots	lb.	.31 - —
smaller lots	lb.	.32 - —
Acetoacetanilide, dms	lb.	.65 - .70
Acetone, CP, dms., c.l., dlvd.	lb.	.05¾- —
l.c.l., dlvd	lb.	.06¼- —
tanks, dlvd	lb.	.04¾- —
Methyl (see M)		
Acetonphenone, bots	lb.	1.30 - 1.45
cns., 25 lbs	lb.	1.15 - 1.25
dms., 100 lbs	lb.	1.05 - —
Acetophenetidin, bbls., kegs, 1,000 lbs.	lb.	1.00 - —
50 lbs	lb.	1.02 - —
25 lbs	lb.	1.05 - —
Acid, acetic, dms., c.l.	lb.	.08¾- —
l.c.l.	lb.	.09 - .12
Acetic, coml. or redist., 28%, bbls.	100 lbs.	2.23 - 2.48
cbys.	100 lbs.	2.73 - 2.98
56%, bbls.	100 lbs.	4.15 - 4.40
cbys.	100 lbs.	4.65 - 4.90
70%, bbls.	100 lbs.	5.17 - 5.42
cbys.	100 lbs.	5.67 - 5.92
80%, bbls.	100 lbs.	5.89 - 6.14
cbys.	100 lbs.	6.39 - 6.64
glacial, nat., CP., cbys.	100 lbs.	14.00 - —
99.5%, bbls.	100 lbs.	7.62 - 7.87
cbys.	100 lbs.	8.12 - 8.37
USP, bbls.	100 lbs.	10.25 -10.50
cbys.	100 lbs.	10.75 -11.00
synth., 99.5%, al. dms.,	100 lbs.	8.43 - 8.68
cbys.	100 lbs.	8.68 - 9.18
USP, al. dms.	100 lbs.	10.25 -10.50
cbys.	100 lbs.	10.75 -11.00
pure, 80%, bbls.	100 lbs.	3.28 - 3.53
cbys.	100 lbs.	3.78 - 4.03
36%, bbls.	100 lbs.	3.66 - 3.91
cbys.	100 lbs.	4.16 - 4.41
60%, bbls.	100 lbs.	6.15 - 6.40
cbys.	100 lbs.	6.65 - 6.90
80%, bbls.	100 lbs.	7.68 - 7.93
cbys.	100 lbs.	8.18 - 8.43

Acetic acid price differentials above are for c.l. and l.c.l. quantities; the prices apply dlv'd at destination in the following States: Conn., Dela., D. of C., Md., Mass., N. J., N. Y., N. and S. Car., R. I., Penna., and Va. For all other States, except Wash., Ore., and Calif., prices are f.o.b. works, frt. equalized.

Acetic, anhydride, dms., c.l., frt. alld	lb.	.10½- .11¼
l.c.l., dms., frt. alld	lb.	.12 - .13
Acetylsalicylic, USP, bbls., 200 lbs.	lb.	.60 - —
boxes, 25 lbs	lb.	.61 - —
kgs., 100 lbs	lb.	.60 - —
Anthranilic, refd., bbls	lb.	1.15 - 1.20
tech., bbls	lb.	.75 - —
Arsenous, tech. (see Arsenic, White).		
USP, powd., dms., kegs	lb.	.22 - .25
Ascorbic, bots., dms	oz.	3.00 - 3.25
Battery, cbys, c.l., E. works	100 lbs.	1.60 - —
l.c.l., 25 or more, E. works,	100 lbs.	1.85 - —
10-24, E. works	100 lbs.	1.95 - —
1-9, E. works	100 lbs.	2.55 - —
Benzoic, tech., bbls., 4,000 lbs. or more	lb.	.43 - —
1,000 to 3,900 lbs	lb.	.44 - —
900 lbs. or less	lb.	.47 - —
USP, bbls., 4,000 lbs. or more	lb.	.54 - —
1,000 to 3,900 lbs	lb.	.55 - —
900 lbs. or less	lb.	.58 - .59
dms., 4,000 lbs. or more	lb.	.55 - .56
1,000 to 3,900 lbs	lb.	.56 - .57
900 lbs. or less	lb.	.59 - .60
Boric, tech., 99.5%, gran., bbls., contracts, 80 tons, delvd.	ton.	106.00 - —
c.l., dlvd	ton.	111.00 - —
l.c.l., ex whse	ton.	118.00 -123.00
sks., contracts, 80 tons, dlvd	ton.	96.00 - —
c.l., dlvd	ton.	101.00 - —
l.c.l., ex whse	ton.	108.00 -113.00
powd., bbls., contracts, 80 tons, dlvd	ton.	111.00 - —
c.l., dlvd	ton.	116.00 - —
l.c.l., ex whse	ton.	123.00 -138.00
sks., contracts, 80 tons, dlvd	ton.	101.00 - —
c.l., dlvd	ton.	106.00 - —
l.c.l., ex whse	ton.	113.00 -128.00

U.S.P., $25 per ton higher.

Broenner's, bbls	lb.	1.11 - —
Butyric, 99%, dms., c.l., S. Charleston, W. Va.	lb.	.22 - —
l.c.l., same basis	lb.	.23 - —
tanks, same basis	lb.	.21 - —
Camphoric, cns	lb.	5.50 - 5.70
Capric, dms	lb.	.12 - .12½
Caproic, cns	lb.	2.20 - —
Carbolic (see Phenol).		
Castor oil, split, dms	lb.	.17½- .18
Chiaawood oil, dms	lb.	.15 - .15½
Chlorosulphonic, dms., c.l., works	lb.	.0350- —
5-drum lots, works	lb.	.04 - —
single drum	lb.	.05 - —
tanks, works	lb.	.03 - —
Chromic, 99%, dms., delvd. N. Y.	lb.	.15¼- .17¼
Cinnamic, refd., bots	lb.	2.85 - 3.25
Citric, cryst., gran., bbls., car lots	lb.	.22 - —
10,000 lb., lots, one shipt.,	lb.	.22½- —
smaller lots	lb.	.23 - —
kegs	lb.	.23½- —
Acid, citric, anhyd., gran, dms., 10,000 lbs. 1 shipt.	lb.	.25 - —
smaller lots	lb.	.25½- —

Citric acid quotations on powder are ½c. higher than on granular. Keg packing is ½c. higher than barrels. Prices are f.o.b., N. Y. Chicago and St. Louis deliveries are ½c. higher than N. Y.

Cleve's, bbls.	lb.	.57 - —
Coconut oil, dist., dms	lb.	.09 - .09½
Corn, dist., dms	lb.	.06¾- .07
Cottonseed oil, dist., dms	lb.	.06¼- .06¾
tanks	lb.	.0575- —
Cresylic, high-boil, dom., c.l., works, frt. equaled	gal.	.73 - —
l.c.l., same basis	gal.	.74 - —
low-boil, dms., c.l., works frt. equaled	gal.	.78 - —
l.c.l., same basis	lb.	.80 - —
imported, pale, dms	gal.	.75 - .80½
dark, dms	gal.	.70 - —
Crotonic, bbls., dlvd	lb.	.21 - —
smaller containers, dlvd	lb.	.50 - —
Diethylbarbituric (see Barbital))		
Formic, dom., seaboard, 90% cbys., f.o.b. stock points, c.l.	lb.	.10½- —
l.c.l., 25 and over	lb.	.11 - —
1-24	lb.	.11½- —
inland territory, cbys., c.l.	lb.	.1185- —
l.c.l., 25 and over	lb.	.1235- —
1-24	lb.	.1285- —
southern territory, cbys., c.l.,	lb.	.1170- .1240
l.c.l., 25 and over	lb.	.1220- .1290
1-24	lb.	.1270- .1320
Fumaric, bbls.	lb.	.75 - —
Gallic, tech., bbls	lb.	.70 - .75
N. F., VI, bbls., 200 lbs., 5 or more	lb.	.77 - —
single bbls.	lb.	.80 - —
fib. dms., 25 lbs	lb.	.81 - —
Gamma, bbls.	lb.	.85 - —
Gluconic, tech., 50%, bbls., 600 lbs.	lb.	.20 - —
Hempseed oil, dms	lb.	.1180- .1225
Hydriodic, 47%, bots	lb.	2.30 - —
5-lb. bots	lb.	2.51 - —
57%, bots	lb.	2.75 - 2.90
Hydrobromic, 10% dilut., USP, pure, 34% conct, cbys	lb.	.20 - .21
	lb.	.42 - .44
Hydrochloric (see Muriatic).		
Hydrocyanic, cyls, works	lb.	.80 - 1.00
Hydrofluoric, 30%, bbls	lb.	.07 - .0750
lead, cbys.	lb.	.09 - .0950
48%, lead cbys	lb.	.1150- .12
52%, lead cbys	lb.	.1250- .13
60%, lead cbys	lb.	.15 - .1550
Hydrofluosilicic, 30-35%, bbls	lb.	.10¼- .15
Hypophosphorus, USP, 30%, djns.	lb.	.75 - —
Lactic, tech., dark, 22%, bbls., c.l., works	100 lbs.	2.50 - —
l.c.l., bbls., works	100 lbs.	2.75 - —
cbys., works	100 lbs.	3.75 - —
44%, bbls., c.l., works,	100 lbs.	5.50 - —
l.c.l., bbls., works	100 lbs.	5.75 - —
cbys., works	100 lbs.	6.75 - —
light, 22%, bbls., c.l., works,	100 lbs.	3.50 - —
l.c.l., bbls., works	100 lbs.	3.75 - —
cbys., works	100 lbs.	4.75 - —
44%, bbls., c.l., works,	100 lbs.	6.50 - —
l.c.l., bbls., works	100 lbs.	6.75 - —
cbys., works	100 lbs.	7.75 - —
50%, edible, 20 and over, bbls., cbys.	lb.	.10¼- .11¼
plastic grade	lb.	.12¼- .13¼
5 to 19, edible, bbls., cbys.,	lb.	.11 - .12
plastic grade	lb.	.12¾- .13¾
1 to 4, edible, bbls., cbys.,	lb.	.11¼- .12½
plastic grade	lb.	.13¼- .14½
80%, 5 and over, bbls., cbys.	lb.	.21 - .22
1 to 4 bbls., cbys	lb.	.21½- .22½
USP, XI, 85%, cbys	lb.	.43 - .45
USP, VIII, 75%, cbys	lb.	.41 - .43
Lauric, dist., dms	lb.	.18 - .20
Laurent's, bbls	lb.	.45 - —
Levulinic, 5lb. bots., works	lb.	2.00 - —
Linseed, oil, dark or light, dms.	lb.	.1050- .1100
extra white, dist., dms	lb.	.12½- .13
Maleic, powd., dms	lb.	.30 - —
anhydride, dms., l.c.l.	lb.	.33 - —
Malic powd., kegs	lb.	.47 - —
Mandelic, bots	lb.	2.30 - —
dms., 1,000 lbs	lb.	1.90 - —
smaller lots	lb.	2.15 - —
Mixed, tanks, nitric unit	lb.	.05 - .06
sulphuric unit	lb.	.0085- .009
Molybdic, kgs., works	lb.	.95 - 1.10
Monochloroacetic, tech., bbls	lb.	.15 - .18
Monosulphonic, bbls.	lb.	1.50 - 1.60
Muriatic, 18°, cbys., c.l., E. works	100 lbs.	1.50 - —
l.c.l., 25 and over, E. works	100 lbs.	1.75 - —
10 to 24, works	100 lbs.	1.85 - —
1 to 9, works	100 lbs.	2.45 - —
tanks, works	100 lbs.	1.05 - —
20°, cbys., c.l., E. works,	100 lbs.	1.75 - —
l.c.l., 25 and over, works,	100 lbs.	2.00 - —
10 to 24, works	100 lbs.	2.10 - —
1 to 9, works	100 lbs.	2.70 - —
tanks, works	100 lbs.	1.15 - —
22°, cbys., c.l., E. works,	100 lbs.	2.25 - —
l.c.l., 25 and over, works,	100 lbs.	2.50 - —
10 to 24, works	100 lbs.	2.60 - —
1 to 9, works	100 lbs.	3.20 - —
tanks, works	100 lbs.	1.65 - —
C.P., USP, dealers, cbys	lb.	.06¼- —
6-lb. bots	lb.	.18¼- —
consumers, cbys	lb.	.08 - —
6-lb. bots	lb.	.20 - —
Myristic, dist., dms	lb.	.15¾- .16¼
Naphthenic, acidity, 120-200 dms., c.l.	lb.	.07 - —
210-230, dms., c.l	lb.	.09 - —
240-280, dms., c.l	lb.	.10 - —
Sludge, dms., c.l	lb.	.05 - —
Nitric, 36°, cbys., c.l., E. works, 100 lbs.	100 lbs.	5.00 - —
l.c.l., 25 and over, E. works	100 lbs.	5.25 - —
10 to 24, works	100 lbs.	5.35 - —
1 to 9, works	100 lbs.	5.55 - —
Acid, nitric, 38°, cbys., c.l., E. works	100 lbs.	5.50 - —
Western works	100 lbs.	5.75 - —
l.c.l., 25 and over, E. works	100 lbs.	5.75 - —
10 to 24, works	100 lbs.	5.85 - —
1 to 9, works	100 lbs.	6.45 - —
40°, cbys., c.l., E. works	100 lbs.	6.00 - —
l.c.l., 25 and over, E. works	100 lbs.	6.25 - —
10 to 24, works	100 lbs.	6.35 - —
1 to 9, works	100 lbs.	6.95 - —
42°, cbys., c.l., E. works	100 lbs.	6.50 - —
l.c.l., 25 and over, works	100 lbs.	6.75 - —
10 to 24, works	100 lbs.	6.85 - —
1 to 9, works	100 lbs.	7.45 - —
C.P., USP, dealers, cbys	lb.	.11¼- —
7-lb. bots	lb.	.22½- —
consumers, cbys	lb.	.13 - —
7lb. bots	lb.	.24 - —
Oleum (see sulphuric fuming).		
Oxalic, dom., bbls., c.l., works,	lb.	.10¾- —
10,000 lbs., and over	lb.	.11 - —
smaller quantities	lb.	.12 - .14
Palm oil, d. dist., dms	lb.	.0650- .0740
s. dist., dms	lb.	.0590- .0680
Perilla, dist., dms	lb.	.1375- .1425
Phenylacetic, bots.	lb.	1.75 - 3.00
Phosphoric, tech., 50%, cbys.	lb.	.06 - —
75%, cbys	lb.	.09 - —
USP, 85%, s. g. 1.710, cbys., 180 lbs.	lb.	.12 - —
50% s. g., 1347, cbys., 70 lbs.	lb.	.12 - —
djns., 25 lbs	lb.	.15 - —
10%, dilut., cbys., djns.	lb.	.07 - .07¼
Picramic, kgs	lb.	.65 - .70
Picric, bbls	lb.	.35 - —
Propionic ref., cbys., works.	lb.	.25 Nom.
dms., works	lb.	.22 Nom.
tech., cbys., works.	lb.	.20 Nom.
dms., works	lb.	.16 Nom.
Pyrogallic, tech., lump, powd., bbls.	lb.	1.05 - —
cns.	lb.	1.10 - —
USP, cryst., cns	lb.	1.45 - 1.63
resubl., cns	lb.	2.06 - 2.15
Pyroligneous, bbls., dlvd. E. gal.		.25 - —
Ricinoleic, dms	lb.	.35 - —
tech., bbls	lb.	.13 - —
Salicylic, tech., bbls.	lb.	.33 - —
USP, bbls	lb.	.40 - .45
Sebacic, C.P., bbls., works.	lb.	.58 - —
tech., bbls., works	lb.	.37 - .41
Soybean oil, dist., dms	lb.	.09 - .09¼
Stearic, distil., double pressed, bgs., dlvd.	lb.	.11 - .12
single pressed, bgs., dlvd.	lb.	.10½- .11½
triple pressed, bgs., dlvd.	lb.	.13¾- .14¾
saponif., double pressed, bgs., dlvd.	lb.	.11¼- .12¼
triple pressed, bgs., dlvd.	lb.	.14 - .15
Succinic, bbls	lb.	.75 - —
Sulphanilic, CP, bots, works.	lb.	1.60 - 1.68
tech., dms., works	lb.	.17 - —
Sulphonaphthenic, dms	lb.	.04 - .10
Sulphuric, 60°, cbys., c.l., E. works.	100 lbs.	1.25 - —
l.c.l., 25 and over, works,	100 lbs.	1.50 - —
10 to 24, works	100 lbs.	1.60 - —
1 to 9, works	100 lbs.	2.20 - —
tanks, E. works	ton.	13.00 - —
66°, cbys., c.l., E. works,	100 lbs.	1.50 - —
l.c.l., 25 and over, works,	100 lbs.	1.75 - —
10 to 24, works	100 lbs.	1.85 - —
1 to 9, works	100 lbs.	2.45 - —
tanks, E. works	ton.	16.50 - —
98°, tanks, works	ton.	17.50 - —
C.P., USP., dealers, cbys.	lb.	.06¼- —
9-lb. bots.	lb.	.16½- —
consumers, cbys.	lb.	.08 - —
9-lb. bots.	lb.	.18 - —
fuming, 20%, tanks, E. works,	ton.	18.50 - —
65%, tanks, E. works	ton.	36.00 - —
Tannic, tech., bbls., dms	lb.	.40 - .47
USP, fluffy, bbls., 1,000 lb.-100-lb. lots	lb.	.90 - —
25-lb. lots	lb.	.93 - —
powd., bbls., 1,000 lbs	lb.	.78 - —
smaller lots	lb.	.80 - —
Tartaric USP, dom., cryst., gran., powd., bbls., 10,000 lbs. or more, one shipment	lb.	.27¼- —
smaller quantities	lb.	.27¾- —
kgs.	lb.	.28¼- —
Tobias, bbls.	lb.	.65 - —
Trichloroacetic, bots.	lb.	2.00 - 2.50
Tungstic, CP, kgs, works	lb.	2.85 - 3.10
tech., kgs., works	lb.	1.90 - 2.00
Aconite, leaves, bls	lb.	.25 - .26
Root, bls	lb.	.28 - .30
Aconitine, amorph., bots	oz.	17.00 -18.00
vis.	gr.	.06 - .09
cryst., bots	oz.	30.00 - —
vis.	gr.	.09 - .11
Adeps lanae, anhyd., dms	lb.	.17½- .19
hyd., dms	lb.	.16 - .18
Agar 1, bls	lb.	.85 - .90
2, bls.	lb.	.80 - .85
3, bls	lb.	.63 - .65
Agaric, white, bls	lb.	3.00 - 3.20
Albumen, blood, dark, flake, bgs., f.o.b. Chicago, frt. alld	lb.	.13 - —
pow'd, grade A, same basis, ton lots	lb.	.15 - —
lots	lb.	.88 - —
smaller lots, same basis.	lb.	.18 - —
light, dom., flake, dms., f.o.b., Chicago., frt. alld.	lb.	.52 - .60
import, bgs.	lb.	.50 - —
Egg, ed., dom., cryst., bbls.,	lb.	.80 - .82
dom., pwd., dms., bbls.,	lb.	.85 - .87
import, cs	lb.	.80 - —
Alcohol, amyl (see also Fusel oil, refd.), ex pentane dms., c.l.	frt. alld. lb.	.116 - —
l.c.l., frt. alld	lb.	.126 - —
tanks, frt. alld	lb.	.106 - —
secondary, dms., c.l., frt. pd., E. of Rocky Mts.	lb.	.09¼- .10
l.c.l., same terms	lb.	.10 - .10¼
tanks, same terms	lb.	.08¼- .09
Benzyl, cans	lb.	.68 - —
drums	lb.	.63 - —

Acacia—Alum

Alcohol, butyl, normal, dms., c.l., frt. alld	lb.	.09½- —
l.c.l., frt. alld	lb.	.10 - —
tanks, frt. alld	lb.	.08½- —
secondary, dms., c.l., frt. pd., E. of Rocky Mts.	lb.	.07 - —
l.c.l., same terms	lb.	.07½- —
tanks, same terms	lb.	.06 - —
tertiary, denating, dms., frt. alld.	lb.	.14 - —
Capryl, pure, dms., works	lb.	2.50 - —
tech., dms., works	lb.	.85 - —
Cetyl, dom., C.P., fiber ctns., 1,000 lbs.	lb.	1.50 - —
500 lbs.	lb.	1.70 - —
100 lbs.	lb.	1.80 - —
25 lbs.	lb.	1.90 - —
5 lbs.	lb.	2.00 - —
com'l., dms	lb.	.95 - —
import, 85%, 100 lb. dms	lb.	.55 - —
5 to 10 lbs	lb.	.75 - —
coml., dms., 350 lbs	lb.	.45 - —
Cinnamic, bots.	lb.	2.00 - 2.90
Denatured, CD14, dms., c.l., works, E.	gal.	.33 - —
l.c.l., works, dms., to jobbers	gal.	.36 - —
works, dms., to dealers and industrial accounts,	gal.	.38 - —
tanks, E., works	gal.	.25 - —

Prices for territories other than E. of Rockies, 3c. per gal. higher. Tankcar sales require written authorization by Alcohol Tax Unit.

SDI, 190 pf., bbls., c.l., E. works	gal.	.30 - —
19 bbls., E. works	gal.	.32 - —
1 to 18 bbls., E. works,	gal.	.35 - —
dms., c.l., E. works	gal.	.29 - —
19 dms., E. works	gal.	.31 - —
1 to 18 dms., E. works,	gal.	.34 - —
tanks, E. works	gal.	.23 - —

Anhydrous, 5c. per gal. higher.

SD23-G, works, E., dms., c.l., 19 dms.	gal.	.35½- —
1 to 18 dms	gal.	.38½- —
tanks	gal.	.27½- —

Prices for territories other than E. of Rockies, 3c. per gal. higher.

Special solvent, dms., c.l., E. works	gal.	.30 - —
20 dms., E. works	gal.	.32 - —
1 to 19 dms., E. works,	gal.	.35 - —
tanks, E. works	gal.	.24 - —

Tankcar sales require written authorization by Alcohol Tax Unit.

Diacetone, pure, contract, dms., c.l., frt., alld.	lb.	.11½- —
l.c.l., frt. alld	lb.	.12 - —
tanks, dlvd.	lb.	.10½- —
tech., contract, dms., c.l., frt. alld.	lb.	.10½- —
l.c.l., frt. alld	lb.	.11 - —
tanks, dlvd.	lb.	.09½- —
Ethyl, 190 pf., ex molasses, bbls., c.l.	gal.	4.56½- —
19 bbls.	gal.	4.58½- —
1 to 18 bbls	gal.	4.61½- —
dms., c.l.	gal.	4.55½- —
19 dms.	gal.	4.57½- —
1 to 18 dms.	gal.	4.60½- —
tanks	gal.	4.49½- —
absolute, dms., c.l.	gal.	4.88 - —
19 dms.	gal.	4.90 - —
1 to 18 dms.	gal.	4.93 - —
Grain alcohol 25c. per gal. higher.		
Furfuryl, tech., cns., works	lb.	.45 - —
dms., c.l., 33,000 lbs., works,	lb.	.30 - —
l.c.l., 500 lbs. and more, works	lb.	.35 - —
Hexyl, secondary, dms., c.l., frt. pd. E. of Rocky Mts.	lb.	.13 - —
l.c.l., same terms	lb.	.13½- —
tanks, same terms.	lb.	.12 - —
Isoamyl, primary, dms., l.c.l., dlvd.	lb.	.27 - —
cans, works	lb.	.32 - —
Isobutyl, refd., dms., c.l., works, frt. alld. E. of Rockies.	lb.	.09½- —
l.c.l., same terms	lb.	.10 - —
tanks, same terms	lb.	.08½- —
Isopropyl, refd., 91%, dms., c.l., f.o.b. dest.	gal.	.33½- —
l.c.l., same basis	gal.	.38½- —
tanks, same basis	gal.	.28½- —
99%, dms., c.l., same terms.	gal.	.36 - —
l.c.l., same terms	gal.	.41 - —
tanks, same terms	gal.	.31 - —
Methyl (see Methanol)		
Phenylethyl, bots., cns	lb.	2.70 - 4.25
Propyl (see Isopropyl)		
Propyl, normal, dms., works,	gal.	.70 - —
Aldehol, denat., grade, dms., tanks, works	gal.	.70 - .72
Aldehyde bisulphite bbls., dlvd.,	lb.	.17 - —
smaller containers	lb.	.20 - —
Aldol, 95%, 55 and 110 gal. dms., dlvd.	lb.	.20 - —
5 and 10 gal. dms., dlvd.	lb.	.22 - —
Aletris root, bgs	lb.	.38 - .39
Alizarin (see Red, alizarin).		
Alkanet root, bgs	lb.	.10 - .11
Aloe, Barbados, true, cs	lb.	.85 - .90
Cape, cs	lb.	.20 - .22
Curacao, cs	lb.	.35 - .37
gourds, bbls	lb.	.50 - .55
Socotrine, kgs	lb.	.45 - .50
Aloin, 140-lb. bbls	lb.	2.40 - —
100-lb. kgs	lb.	2.42 - —
25-lb. fib. dms	lb.	2.49 - —
Alphanaphthol, bbls	lb.	.52 - —
Alphanaphthylamine, bbls	lb.	.32 - —
Althea root, cube cut, bbls	lb.	.30 - .32
Alum, ammonia, burnt, USP, bbls., kgs.	lb.	.16 - .18
gran., bbls., works	100 lbs.	3.15 - 2.40
dlvd. N.Y. Phila	100 lbs.	3.15 - —
lump, bbls., works	100 lbs.	3.40 - 3.65
dlvd., N.Y., Phila.	100 lbs.	3.40 - —
powd., bbls., works	100 lbs.	3.55 - 3.80
dlvd. N. Y., Phila.	100 lbs.	3.55 - —

Alum—Antimony

Alum, ammonia, powd., bbls, works..100 lbs. 3.55 - 3.80
dlvd., N. Y., Phila...100 lbs. 3.55 - —

Ammonia alum prices are for contract and open market; f.o.b. Phila.; frt. equalized with Marcus Hook, Boston, Atlanta, or Joliet; rail or water rates, whichever is lower. L.c.l. quantities must carry l.c.l. rate applying; for truck or ex warehouse deliveries all metrop. zones (except N.Y.) add l.c.l. rail or water rate, whichever is lower, from shipping or equalization point; dlvd. N.Y. prices apply to truck or ex warehouse.

Potash, gran., bbls., works, 100 lbs. 3.40- 3.65
dlvd. N.Y., Phila..100 lbs. 3.40 - —
lump, bbls., works....100 lbs. 3.65 - 3.90
dlvd. N.Y. Phila...100 lbs. 3.65 - —
powd., bbls., works....100 lbs. 3.80 - 4.05
dlvd. N.Y., Phila...100 lbs. 3.80 - —

Potash alum prices on same basis as those for ammonia alum.

Potash-chrome, bbls.....lb. .06¼- .06½
Soda, bbls., c.l., works..100 lbs. 3.25 - —
l.c.l., dlvd.....100 lbs. 4.25 - 5.00
Alumina acetate, 20% normal solut., bbls., c.l., dlvd..lb. .07½- —
l.c.l., dlvd.....lb. .09 - —
32%, basic solut., bbls., c.l., dlvd..lb. .10 - —
l.c.l., dlvd.....lb. .12 - —
basic powd., bbls., dlvd.....lb. .40 - —
smaller containers, dlvd. lb. .50 - —
Chloride, anhyd., com'l, dms. (extra), 45,000 lbs. and over, works..lb. .06 - —
12,000 to 40,000 lbs., works..lb. .07 - —
1,100 to 11,000 lbs., works..lb. .08 - —
140 to 875 lbs., works.lb. .09 - —
100 lbs., or less, works.lb. .10 - —
cryst., com'l, dms., c.l., works, lb. .06 - —
l.c.l., dms., works.....lb. .06½ - —
solution, 32 deg., cbys., c.l., works..lb. .02¾- —
l.c.l., cbys., works.....lb. .03¼- —
Formate, 30% solut., bbls., c.l., dlvd..lb. .13 - —
l.c.l., dlvd.....lb. .15 - —
Hydrate, heavy, bbls., c.l., works..lb. .0290- —
l.c.l., bbls.....lb. .03½- —
bgs., c.l.....lb. .0260- —
light, bbls., dlvd.....lb. .12 - —
Oleate, dms., contr.....lb. .16¾- —
open order.....lb. .17½- .18½
Palmitate, precip., bbls.....lb. .23 - —
Resinate, precip., dms., dlvd.lb. .15 - —
Stearate, precip., bbls., ctns., c.l..lb. .19 - —
l.c.l., ton.....lb. .20 - —
less than ton.....lb. .21 - —
Sulphate, com'l, bgs., c.l. works, frt. equaled.100 lbs. 1.15 - —
l.c.l., works, frt. equald.. 100 lbs. 1.40 - —
bbls., c.l., works, frt. equald. 100 lbs. 1.35 - —
l.c.l., works, frt. equald. 100 lbs. 1.60 - —
iron-free, bgs., c.l., works... 100 lbs. 1.30 - —
l.c.l., works....100 lbs. 1.55 - —
bbls., c.l., works....100 lbs. 1.50 - —
l.c.l., works.....100 lbs. 1.75 - —
Aluminum, 98-99%, c. l.....lb. .20 - —
l.c.l. .....lb. .21 - —
paste, lining, extra fine, dms., 1,500 lbs..lb. .65 - —
ink, dms., 1,500 lbs....lb. .75 - —
standard, dms., 1,500 lbs..lb. .43 - —
extra fine, dms., 1,500 lbs.lb. .92 - —
standard, dms., 1.500 lbs.lb. .57 - —
litho, extra brilliant, dms., 1,500 lbs..lb. .43 - —
extra fine, dms., 1,500 lbs.lb. .47 - —
lining, dms., 1,500 lbs....lb. .57 - —
standard, dms., 1500 lbs..lb. .42 - —
rubber compound, dms., 1,500 lbs..lb. .40 - —
unpolished, dms., 1,500 lbs.lb. .37 - —
varnish, extra brilliant, dms., 1,500 lbs..lb. .43 - —
extra fine, dms., 1,500 lbs.lb. .47 - —
standard, dms., 1,500 lbs.lb. .42 - —

Aluminum paste and powder prices for lots smaller than 1,500 lbs. are 10c. per lb. higher for less than 200 lbs.; 5c. per lb. higher for 200-400 lbs.; 2c. per lb. higher for 400,-1,000 lbs.; and 1c. per lb. higher for 1,000-1,500 lbs.; for partial shipments on contracts, prices are 3c. per lb. higher on lots of less than 200 lbs.; 1c. per lb. higher for 200-400 lbs.; and ½c. per lb. higher for 400-1,500 lbs.; for containers smaller than drums, prices are 1c. per lb. higher for 100 lbs.; 1½c. per lb. for 50 lbs.; 3c. per lb. for 10 lbs.; 5c. per lb. for 2 lbs.; 8c. per lb. for 1 lb.; and 12c. per lb. for ½ lbs.; on single shipments of 5,000 lbs. prices are 1c. per lb. lower; for 30,000 lbs. prices are 2c. per lb. lower. Transportation allowed East of Mississippi.

Ambergris, gray, tins.....oz. 17.00 -36.00
Aminopyrine, fib., dms., 100 lbs. lb. 4.00 - —
bots., 5 lbs. .....lb. 4.22 - 4.25
Ammonia, acetate, bbls., kgs., dlvd..lb. .27 - .33
dms., dlvd.....lb. .23 - .26
Aldehyde, dms.....lb. .65 - .70
Anhydrous, fertilizer, com'l, tanks (50,000 lbs.), works..lb. .04½- —
refrigeration, tanks, works..lb. .05 - —
pure, cyls., dlvd., met. N.Y., lb. .16 - .22

Anhydrous ammonia in cylinders is quoted on a nationwide schedule of delivered and stock point prices in all States.

Aqua, 26°, cbys.....lb. .05½- —
dms., c.l.....lb. .02¾- —
l.c.l. .....lb. .03½- —
tanks (on NH_3 content), dlvd., E..lb. .05 - .05½
Benzoate, dms., 4,000 lbs. or more..lb. .41 - .43
1,000 lbs. to 3,900 lbs....lb. .43 - .45
900 lbs. or less.....lb. .45 - .46
Benzoate, kgs., 4,000 lbs. or more..lb. .40 - —
1,000 lbs., to 3,900 lbs...lb. .41 - —
900 lbs. or less.....lb. .44 - —
Bicarbonate, bbls., c.l., works. 100 lbs. 5.15 - —
l.c.l., dlvd. N. Y....100 lbs. 5.71 - —
Bichromate, bbls.....lb. .82 - —
Bifluoride, bbls.....lb. .14½- .16½
Borate, bbls., kgs.....lb. .15 - .16
Bromide, gran., bbls.....lb. .35 - —
bxs. .....lb. .88 - .89
kgs. .....lb. .86 - —
Carbonate, tech., dom., bbls. lb. .08 - .12½
imported, caks. .....lb. .08 - .12½
USP, lump, dms.....lb. .09 - .17
powd., bbls., dms.....lb. .09 - .26
Chloride, tech. (see Ammoniac, sal).
USP, gran., 225 lb. bbls....lb. .12 - .13
100 lb. kgs. .....lb. .15 - —

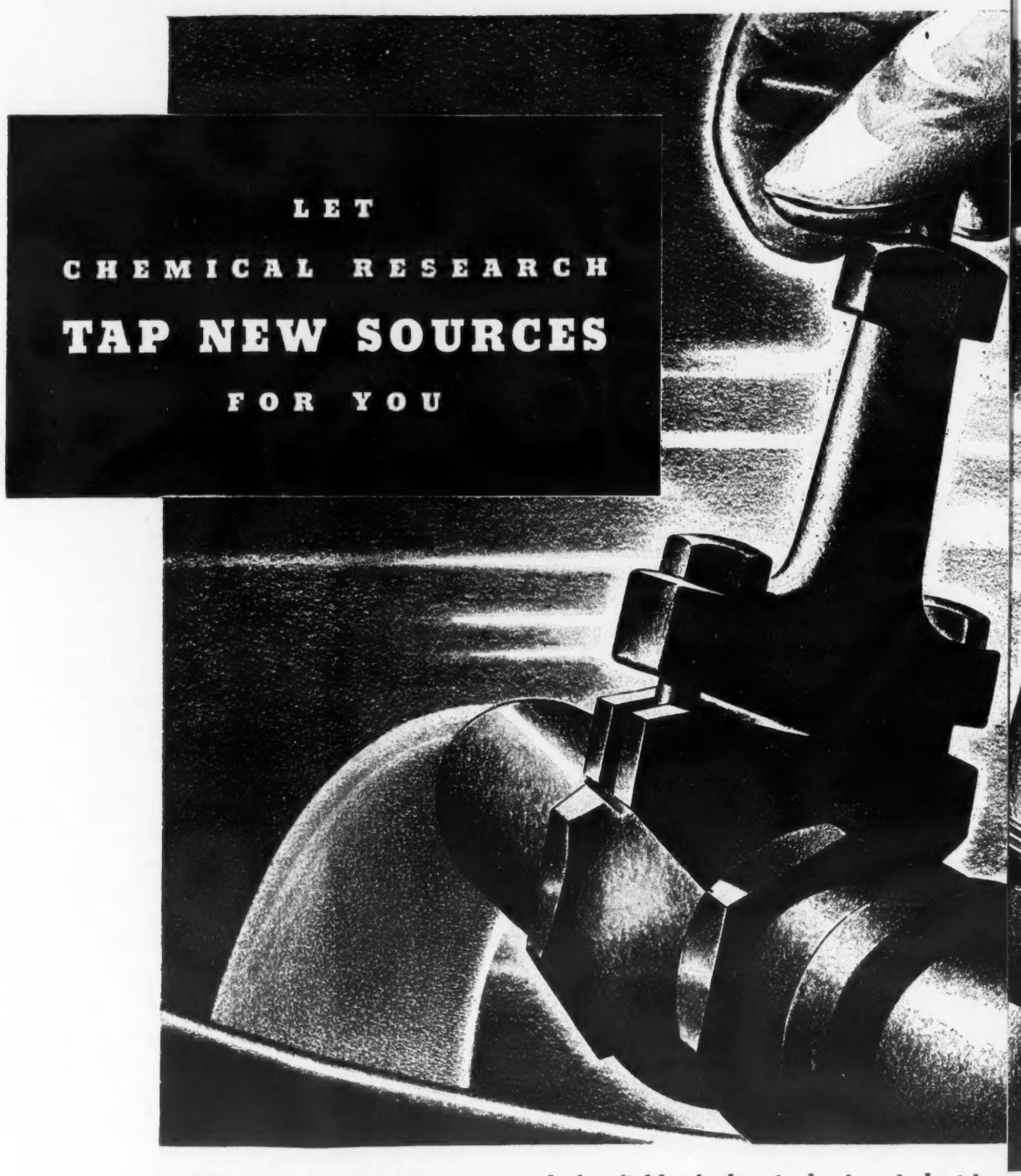
Ammonia, citrate, dms.....lb. .80 - —
cns. .....lb. .
Fluoride, bbls.....lb. .17 - .19
Hydroxide, (see Ammonia, aqua).
Hypophosphite, fib., dms.....lb. 1.10 - 1.17
jars .....lb. .20
Iodide, 5-lb. bots.....lb. 3.52 - —
jars .....lb. 3.45 - —
Laurate, bbls, ...lb. .25 -
Linoleate, 50%, anhyd., bbls.lb. .12 - .15
Molybdate, kgs., wks.....lb. 1.05 - 1.20
Naphthenate, bbls. .....lb. .17 - —
Nitrate, tech., bags., c.l., works...100 lbs. 3.60 - —
l.c.l., works.....100 lbs. 3.85 - —
bbls., c.l., works.....100 lbs. 3.80 - —
l.c.l., works.....100 lbs. 4.05 - —
Oleate, dms.....lb. .14 - .15
Oxalate, neutral, cryst., powd., bbls., kgs..lb. .19 - .20
Perchlorate, kegs.....lb. .16 - —
Persulphate, kgs.....lb. .21 - .22
Phosphate, dibasic, N.F.V., bls., lb. .37 - —
kgs. .....lb. .39 - —
tech., bbls., c.l. .....lb. .07½- —
l.c.l. .....lb. .09 - .10
monobasic, crude (fert. grade), 11% N 18% phos. bulk, f.o.b. E. works.. unit-ton. 1.20 & .75
pure, bbls. .....lb. .40 - .45
tech., bbls., c.l. .....lb. .07½- —
l.c.l. .....lb. .09 - .10
Ricinoleate, bbls. .....lb. .15 - —
Salicylate, U.S.P., kgs.....lb. 1.15 - 1.20
Silicofluoride, imp., 350-lb. bbls., f.o.b. N. Y..lb. .09 - —
5 bbls., same basis.....lb. .08½- —
Stearate, anhydrous.....lb. .22 - —
paste .....lb. .07 - —

Ammonia, sulphate, dom., bulk, c.l., f.o.b. August shipment..ton. 26.75 - —
September shipt....ton. 27.00 - —
October shipt.....ton. 27.25 - —
November shipt....ton. 27.50 - —
December shipt.....ton. 27.75 - —
Jan.-June, 1939 shipt., ton. 28.00 - —

Ammonia sulphate prices are f.o.b. cars nearest Atlantic or Gulf port, and/or $1 per ton less than above prices f.o.b. cars nearest inland producing oven, whichever is lower to destination.

Sulphide, liquid, 35-40%, basis 100%, dms., works..lb. .12 - .15
tanks, delvd. .....lb. .11 - —
Sulphocyanide, com'l, fib., dms., 2,000 lbs., works.....lb. .14 - —
smaller lots, works.....lb. .16 - —
pure, 99-100%, kgs. .....lb. .55 - —
Ammoniac, gum (see Gum, ammoniac).
Sal, gray, dom., bbls., c.l., 100 lbs. 5.50 - 5.75
l.c.l. .....100 lbs. 6.00 - 6.70
Sal, white, gran., dom., bbls., contracts, N. Y., l.c.l. 100 lbs. 4.90 - 5.05
import, csks.....100 lbs. 5.00 - 5.05
Amyl acetate, ex fusel oil, dms., c.l., works..lb. .11 - —
l.c.l., frt., alld.....lb. .11½- —
tanks, works.....lb. .10 - —
ex pentane, dms., frt. alld.lb. .11 - —
l.c.l., frt., alld.....lb. .12 - —
tanks, frt., alld.....lb. .10 - —
secondary, dms., c.l., frt. pd., E. of Rocky Mts..lb. .09½- —
l.c.l., same terms.....lb. .10 - —
tanks, same terms.....lb. .08½- —
Alcohol (see Alcohol amyl).
Butyrate, dms., 50 gal., returnable..lb. .75 - —

Amyl, caproate, cns.....lb. 2.75 - —
Chloride, normal, dms., works, lb. .56 - —
small lots, works.....lb. .68 - —
mixed, tech., dms., c.l., works..lb. .07 - —
l.c.l., works.....lb. .077 - —
tanks, works.....lb. .06 - —
Cinnamic aldehyde, cns.....lb. 2.00 - 2.25
Nitrite, bots.....lb. 1.80 - 1.95
Mercaptan, dms., l.c.l., works.lb. 1.10 - —
Oleate, dms., l.c.l., works...lb. .25 - —
Salicylate, bots., 5 lbs.....lb. .61 - —
cns., 25 lbs.....lb. .51 - —
Stearate, dms., l.c.l., works..lb. .26 - —
Amylene, dms., c.l., works....lb. .102 - —
l.c.l., works.....lb. .11 - —
tanks, works.....lb. .09 - —
Anethol, bots. .....lb. 1.00 - 1.05
Angelica root, dom., bls.....lb. .16 - .22
import, natural, bls.....lb. .20 - .22
twisted, bls.....lb. .30 - .40
Angostura bark, bls.....lb. .30 - .31
Anilin oil, dms., c.l.....lb. .15 - —
l.c.l. .....lb. .16 - —
tanks .....lb. .14½- —
Salt, dms., works.....lb. .22 - .24
Anise, Spanish, bgs.....lb. .14 - .15
Star, bgs.....lb. .13 - .13½
Anisic aldehyde, bots.....lb. 3.00 - 3.10
Annatto paste, bxs.....lb. .34 - .39
seed, bgs .....lb. .07½- .08
Anthraquinone, 99.5%, subl., bbls., lb. .65 - —
Antimony butter (see Antimony chloride)
Chloride, solut., cbys.....lb. .17 - —
Metal, spot.....lb. .10¾- —
Needle, powd., bbls.....lb. .12½- .14
Oxide, bbls., c.l.....lb. .11½- —
l.c. .....lb. .12¼- —
Salts, 65%, kgs.....lb. .26 - .27
White, pigment, bgs., c.l., Texas works, frt. alld to ½c..lb. .11¼- .14¼



THERE are few fences around the field of chemical-using industries these days. The astute manufacturer searches in all directions for new materials, new processes, new products, new economies, that will increase his profits. And the best tool for exploring and tapping these "profit sources" is chemical research.

We have a competent research staff here at Cyanamid. It exists for the purpose of anticipating questions our customers will ask, and of producing answers that will translate

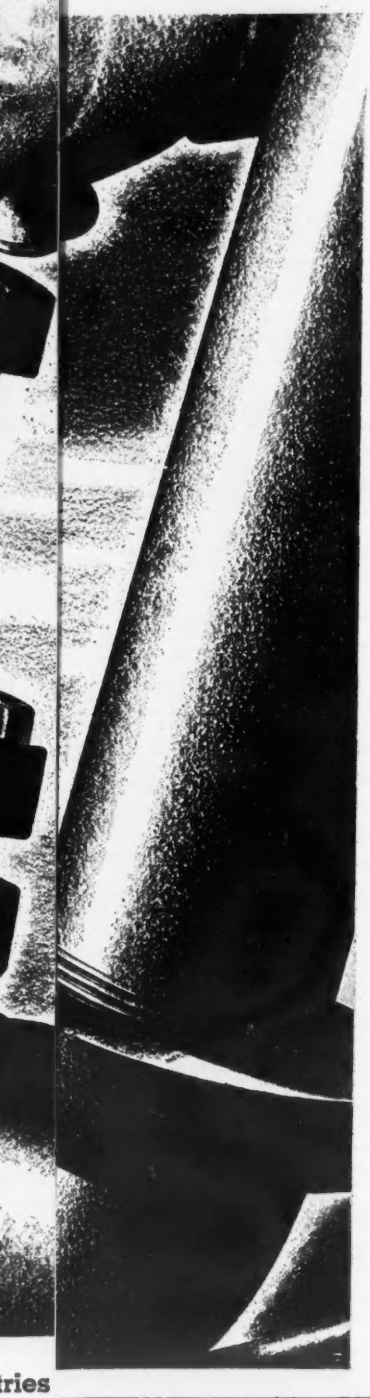
Antipyrene, bbls., kgs., ton lots, lb. 2.00 - —
smaller lots..lb. 2.10 - 2.15
Apomorphine, bots..oz.23.20 -23.70
Archil extract, con., bbls..lb. .21 - .27
double, bbls..lb. .18 - .20
triple, bbls..lb. .18 - .20
Areca nuts, powd., bbls..lb. .11 - .12
Arecoline hydrobromide, bots..oz. 4.35 - 4.50
Argols, test 70% to 85%, basis 100%, 100 kgm., purity, 100 kilos.82.00 -84.00
Arnica flowers, bls..lb. .28 - .30
Root, bls..lb. .38 - .40
Arrowroot, St. Vincent, powd., bgs..lb. .08 - .08⅝
bbls. .08¼-
Arsenic, metal, lump, cs..lb. .40 - .41
Chloride (arsenous), cns..lb. 4.85 - —
Iodide (arsenous), 5-lb. bots.lb. 5.35 - —
jars..lb. 5.20 - —
Red, import, cs..lb. .15¾- .16½
Trioxide (see Acid, arsenous).
White, powd., kgs., c.l..lb. .05 - —
l.c.l..lb. .05¾- —
Asafetida, cs..lb. .25 - .26
powd., bbls., bxs..lb. .40 - .41
Asbestine (see Talc, N. Y. fibrous).
Asbestos fiber, 5M, bgs., c.l. (20 tons), Canad. mines..ton.42.50 - —
5R, bgs., c.l. (20 tons), Canad. mines..ton.40.00 - —
6D, bgs., c.l. (30 tons), Canad. mines..ton.30.00 - —
7D, bgs., c.l. (30 tons), Canad. mines..ton.25.00 - —
7F, bgs., c.l. (30 tons), Canad. mines..ton.23.00 - —
7H, bgs., c.l. (30 tons), Canad. mines..ton.19.00 - —
7K, bgs., c.l. (30 tons), Canad. mines..ton.16.50 - —
7M, bgs., c.l. (30 tons), Canad. mines..ton.14.00 - -

Asphaltum, Barbados, A, bgs., 20 tons, f.o.b. N. Y..lb. .02½- —
smaller lots, f.o.b. N. Y.lb. .03½- —
AA, bgs., 20 tons, f.o.b. N.Y., lb. .08½- —
smaller lots, f.o.b. N. Y..lb. .10½- —
California, dms., c.l., f.o.b. N.Y. ton.29.00 - —
l.c.l., f.o.b. N. Y.....ton.36.50 - —
Cuban A, bgs., c.l., f.o.b. N. Y. ton.60.00 - —
l.c.l., f.o.b. N. Y.....ton.90.00 - —
B, bgs., c.l., f.o.b. N. Y..ton.35.00 - —
l.c.l., f.o.b. N. Y.....ton.55.00 - —
Egyptian, bgs., c.l., f.o.b.N.Y.lb. .12 - —
l.c.l., f.o.b. N.Y.....lb. .15 - —
Gilsonite, brilliant black, bgs., c.l., Western shipt. points, ton.32.90 - —
seconds, bgs., c.l., Western shipt. points..ton.25.50 - —
selects, bgs., c.l., Western shipt. points..ton.30.50 - —
l.c.l., f.o.b., N. J. or N. Y., whse..ton.51.00 - —
Jet., bgs., c.l., Western shipping points..ton.30.50 - —
Manjak (see Asphaltum, Barbados)
Mexican, Texas, dms., c.l., refinery..ton.19.00 - —
l.c.l., refinery.....ton.21.00 - —
tanks, refinery.....ton.16.00 - —
Petroleum, cut-back, bbls., l.c.l., E. cst., refinery..gal. .18 - —
dms., c.l., E. cst., refinery, gal. .12 - —
tanks, Calif, refinery...ton.12.50 -14.00
East Coast, refinery...gal. .06 - .06⅛
Ill., Ind., refinery.....gal. .06½- —
N. Orleans refinery....gal. .06 - —
Atropine, bots..oz. 5.25 - 5.80
Sulphate, bots..oz. 2.85 - 2.90
cns..oz. 2.80 - —

B

Balm of Gilead buds, bgs.....lb. .33 - .35
Barberry bark, bgs.....lb. .20 - .22
Tree bark, bls.....lb. .09 - .10
Barbital, cs.....lb. 3.25 - 3.30
Barium carbonate, natural, 90%-96%, grd., bgs., c.l., works, ton.41.00 -43.00
96% thru, 200, mesh bgs., c.l., works..ton.43.00 -45.00
precip., bgs., c.l., works..ton.52.50 - —
bbls., works.....ton.57.50 - —
l.c.l., bgs., works.....ton.57.50 - —
bbls., works.....ton.62.50 - —
sulphur-free, bgs., bbls., c.l., works..ton.57.50 -62.50
Chlorate, kgs.....lb. .16½- .17½
Chloride, C.P., cryst., bbls..lb. .19 - —
dms.....lb. .20 - —
tech., doms., cryst., bgs., c.l., Zone 1, dlvd., New England States, N. Y., N. J., Pa., Md., Va., Ohio, Mich., Ind., Wisc., Ill., Ky. and principal cities on west bank of Miss., north of Ark. line....ton.77.00 - —
bbls., same basis..ton.79.00 - —
l.c.l., bgs., same basis, ton.90.00 - —
bbls., same basis..ton.92.00 - —
Zone 2, bgs., c.l., dlvd., Tenn., N. & S. Carolina, Ga., Ala., Miss., Fla..ton.81.00 - —
bbls., same basis..ton.83.00 - —
l.c.l., bgs., same basis, ton.94.00 - —
bbls., same basis..ton.96.00 - —

Barium, chloride, tech., Zone 3, bgs., c.l., Minn., Ia., Mo., Col., N. Mex., Idaho, Utah, Ariz..ton.87.00- —
bbls., same basis..ton.89.00
l.c.l., bgs., same basis, ton.100.00 - —
bbls., same basis..ton.102.00 - —
Zone 4, bgs., c.l., dlvd., Wash., Ore., Calif., Nev..ton.83.00 - —
bbls., same basis..ton.85.00 - —
bbls., l.c.l., same basis, ton.96.00 - —
bbls., same basis..ton.98.00 - —
Dioxide, dms.....lb. .11 - .15
Fluoride, bbls.....lb. .11½- .12
Fluosilicate, bbls.....lb. .11½- .12
Hydrate (see Hydroxide).
Hydroxide, bbls.....lb. .04⅝- .05⅛
Iodide, bots.....lb. 4.45 - 4.50
Monoxide (see Oxide).
Nitrate, cks.....lb. .07 - .07⅛
Oxide, dms.....lb. .09 - .11
Peroxide (see Dioxide).
Sulphate, tech. (see Barytes and blanc fixe).
X-ray, bbls.....lb. .09½- .10
kgs.....lb. .12 - —
Barytes, dom., floated, bbls., c.l., St. Louis..ton.23.65 - —
l.c.l., ex whse., Boston, ton.36.00 - —
Chicago.....ton.31.15 - —
Cleveland.....ton.33.50 - —
New York.....ton.32.00 - —
paper bgs., c.l., St. Louis, ton.22.85 - —
l.c.l., ex car, Baltimore, ton.30.70 - —
Boston.....ton.31.70 - —
Philadelphia.....ton.30.50 - —
ex whse., Baltimore.ton.32.10 - —
Boston.....ton.35.20 - —
Chicago.....ton.30.35 - —
Cleveland.....ton.33.00 - —
Detroit.....ton.33.00 - —
Kansas City.....ton.30.93 - —
Los Angeles.....ton.42.00 - —
New York.....ton.31.50 - —
Philadelphia.....ton.31.90 - —
San Francisco.....ton.42.00 - —
Toronto.....ton.39.30 - —
southern off color, bulk, mines, ton.12.00 - —
95.75%, bulk, mines.....ton.16.00 - —
ore, bulk, mines, long ton. 7.00 - —
German, grd., bbls., c.l., dock, t.a..ton.25.00 -26.00
l.c.l., ex whse.....ton.30.00 - —
ungrd., bulk, c.l., ex dock, ton.13.00 -14.00
Italian, grd., bbls., c.l., ex dock, t.a..ton.29.50 Nom.
l.c.l., ex whse.....ton.32.50 - —
Bauxite, bulk, mines.....ton. 7.00 -10.00
Bay leaves (see Laurel leaves)
Bay rum, import, bbls.....gal. .71½ Nom.
Bayberry bark, bgs.....lb. .15 - .16
Belladonna leaves, bls.....lb. .14 - .17
Root, bls.....lb. .12 - .13
Bentonite, 200 mesh, bgs., Wyo. works..ton.11.00 - —
325 mesh, bgs., Wyo. works, ton.16.00 - —
Benzaldehyde, tech., cbys., dms., lb. .60 - .70
USP, X, dms., 50 to 100 lbs..lb. .85 - —
5 to 25 lbs.....lb. .90 - .95
Benzene (see benzol).
Bensidin base, bbls.....lb. .70 - —
Benzol, 90%, nitration, pure, dms., works..gal. .21 - —
tankcars, frt. alld. E. of Omaha..gal. .16 - —
W. coast, f.o.b., Minnequa, Colo..gal. .16 - —
Benzoyl chloride, dms.....lb. .40 - .47
Peroxide, pure, gran., fib. ctns., works..lb. 1.95 - —
Benzyl acetate, f.f.c., cns.....lb. .49 - —
dms.....lb. .44 - —
Alcohol (see Alcohol, benzyl).
Benzoate, a.m.s., f.f.c., cns..lb. .94 - —
dms.....lb. .89 - —
Chloride, 95-97%, refd., dms., lb. .30 - .40
tech., dms.....lb. .25 - .26
Formate, cns.....lb. 2.75 - 3.00
Benzylidineacetone, bots.....lb. 2.20 @ 3.50
Berberine bisulphate, cns.....lb.16.75 - —
Hydrochloride, cns.....lb.16.75 - —
Sulphate, cns.....lb.16.75 - —
Berberis root, bls.....lb. .15 - .16
Betanaphthol, subim., bbls....lb. .55 - —
kgs.....lb. .60 - —
tech., bbls., c.l., works....lb. .23 - —
l.c.l., bbls., works.....lb. .24 - —
Benzoate, fib, dms.....lb. 2.10 - —
kgs.....lb. 2.00 - —
Betanaphthylamine, tech., kgs.lb. .51 - —
Beth root, bls.....lb. .20 - .23
Bismuth chloride, 5-lb. bots...lb. 3.20 - 3.25
Citrate, USP, VIII, 5-lb. bots., lb. 2.76 - —
jars.....lb. 2.65 - —
Hydroxide, 5-lb. bots.....lb. 3.27 - —
cns.....lb. 3.15 - —
Metal, ton lots.....lb. 1.05 - —
Nitrate, cryst., 5-lb. bots...lb. 1.34 - —
cns.....lb. 1.20 - —
Oxychloride, 5-lb. bots.....lb. 3.04 - —
cns., kgs.....lb. 2.95 - —
Subbenzoate, 5-lb. bots.....lb. 3.36 - —
fib, dms.....lb. 1.13 - 1.16
Subcarbonate, bots., cns.....lb. 1.22 - 1.46
fib. dms.....lb. 1.13 - 1.16
X-ray, 5-lb. bots.....lb. 2.42 - —
fib. dms.....lb. 2.36 - —
Subgallate, bots., cns.....lb. 1.42 - 1.66
fib. dms.....lb. 1.33 - 1.36
Subiodide, cns.....lb. 3.91 - —
fib. dms.....lb. 3.88 - —
Subnitrate, powd., bots., cns. lb. 1.12 - 1.38
fib. dms.....lb. 1.03 - 1.06
Subsalicylate, 62-65%, bxs..lb. 2.44 - —
bbls., fib. dms.....lb. 2.35 - —
Sulphocarbolate, 5-lb. bots....lb. 3.61 - —
fib. dms.....lb. 3.50 - —
Trioxide, powd., 5-lb. bots...lb. 3.56 - —
cns.....lb. 3.45 - —
Bismuth-ammonia citrate, USP, powd., 5-lb. bots..lb. 3.40 - —
cns.....lb. 3.30 - —
Bismuth-betanaphthol, 5-lb. bots., lb. 3.14 - —
fib. dms.....lb. 3.05 - —
Black, acetylene, c.l., works, duty paid..lb. .14 - —
Bone, 1A, bbls., bgs., c.l., frt. alld. E..lb. .16 - —
l.c.l., frt. alld. E.....lb. .16½- —
1, bbls., bgs., c.l., frt. alld. E..lb. .12 - —
l.c.l., frt. alld. E.....lb. .12½- —
2, bbls., bgs., c.l., frt. alld., E..lb. .10½- —
l.c.l., frt. alld. E.....lb. .11 - —
3, bbls., bgs., c.l., frt. alld. E..lb. .09½- —
l.c.l., frt. alld. E.....lb. .10 - —
4, bbls., c.l., frt. alld. E..lb. .08½- —
l.c.l., frt. alld. E.....lb. .09 - —
5, bbls., bgs., c.l., frt. alld. E..lb. .07½- —
l.c.l., frt. alld. E.....lb. .08 - —



into dollars and cents on their ledgers. Put our facilities to work, discovering new or better ways in which chemicals can work for you.

Some Cyanamid products which are daily contributing to the profits of our customers are listed here:-

‡AKOIL 1-4-3—for the textile industry—An intensive scouring agent for use on woolen yarn or fabric, silk and rayon. Used in conjunction with soda ash for fulling and scouring woolens, it easily surpasses the performance of ordinary soaps for this purpose.

For scouring and degumming silk it is used with about one-fourth its weight of soda ash or the milder alkali, ammonia. While its degumming and cleansing qualities are excellent, leaving the fibre free of gum, oil and dirt, still its action cannot damage or affect the silk in any way.

For scouring knitted rayon and celanese, a product is necessary that will cleanse the fabric quickly and with a minimum amount of mechanical action. Because of its property of emulsifying the heavy oils found in these fabrics, Akoil 1-4-3 is an excellent product for the purpose. It rapidly absorbs and carries off all the oil and dirt found in the fibre with a minimum of mechanical effort, thereby preventing damage to the fibre. No matter how highly saturated with oil the fabric may be, Akoil 1-4-3 will thoroughly cleanse it in an ordinary soaping machine.

ALKALIES—SODA ASH, CAUSTIC SODA, CAUSTIC POTASH, CARBONATE OF POTASH, CALCIUM CHLORIDE—all grades for the glass, soap, textile, paper and the many other industries using alkalies.

ETHYL LACTATE is in many respects the ideal solvent for nitrocellulose, cellulose acetate and resins. For many years it has been among the most widely used lacquer solvents in the "high boiler" or slow evaporating group. It finds extensive application in clear and pigmented lacquers, mist coats, and lacquer thinners to promote flow, prevent orange peel, insure high gloss and prevent blushing in humid weather. As one of the few slow evaporating solvents for cellulose acetate, its use with this material in coatings and plastics is growing rapidly. It is also suitable for use with cellulose acetobutyrate, ethyl cellulose, shellac and REZYL resins. Its lack of toxicity has been demonstrated by use in flavoring extracts.

†DECERESOL WETTING AGENTS—For the Textile Industry—new, powerful surface tension depressants. These products have remarkable wetting and penetrating properties and are invaluable aids in all types of textile processing. They speed up scouring and dyeing processes, and are useful as well in carbonizing, fulling and finishing. They form soluble salts with calcium and magnesium and are, therefore, extremely valuable where hard water conditions are encountered.

*TEGLAC RESINS—for quality, economy and uniformity. A variety of grades are available to meet specific requirements.

In Lacquers

FOR SPEED: TEGLAC Z-152 is suggested for lacquer sealers requiring quick, easy sanding. Also for hard drying furniture lacquers, both clear and pigmented, as well as for cooking into short oil varnishes. It combines pale color, high gloss, excellent hardness, low solvent retention and ready solubility.

FOR TOUGHNESS: TEGLAC 15 provides a combination of toughness, hardness, gloss and solubility unmatched by other resins of this type. It is a time-tested standard of quality for high-grade furniture lacquers.

FOR ECONOMY: TEGLAC Z-154 permits the formulation at low cost of premium quality sanding sealers and clear and pigmented lacquers for indoor use.

In Varnishes

FOR COLOR: TEGLAC 161 is suggested for cooking with drying oils to make extra pale varnishes which are resistant to discoloration on baking or aging. Such varnishes may be used clear or as the vehicles for enamels in white or pastel tints.

Watch this column monthly for the announcement of other interesting Cyanamid developments. Technical information on these and other Cyanamid products is available on request.

‡Trade-Mark—Registered U. S. Patent Office.
†Registered U. S. Patent Office.
*Registered trade-mark of the Rezyl Corporation. These resins are manufactured under one or more U. S. Patents.

American Cyanamid & Chemical Corporation
30 ROCKEFELLER PLAZA • NEW YORK, N. Y.

Black, Chlorine

Black, bone, 6, bbls., c.l., frt. alld. E..lb. .05½- —
l.c.l., frt. alld, E.....lb. .06 - —
7. bbls., bgs., c.l., frt. alld. E..lb. .09 - —
l.c.l., frt. alld, E.....lb. .09¼- —
8, bbls., bgs., c.l., frt. alld. E..lb. .10 - —
l.c.l., frt. alld, E.....lb. .10½- —
Bone black prices on Pacific Coast are 1c. per lb. higher, ex dock or ex whse.
Carbon, special, 1, bgs., c.l., dlvd..lb. .03¾- .04¾
bgs., ctns., l.c.l., dlvd..lb. .06¾- —
cs., l.c.l., dlvd.....lb. .07½- —
2, bgs., c.l., works.....lb. .08½- —
l.c.l., dlvd.....lb. .10½- —
cs., l.c.l., dlvd.....lb. .12 - —
3, bgs., c.l., works.....lb. .13 - —
l.c.l., dlvd.....lb. .14½- —
cs., l.c.l., dlvd.....lb. .16½- —
4 bgs., c.l., works.....lb. .27½- —
cs., c.l., works.....lb. .29 - —
l.c.l., dlvd.....lb. .32 - —
5, bgs., cs., c.l., works..lb. .40 - —
cs., l.c.l., dlvd.....lb. .44 - —
6, cs., l.c.l., dlvd.....lb. .60 - —
7, cs., l.c.l., dlvd.....lb. 1.10 - —
standard, bgs., c.l., dlvd., rail zone A (Gulf ports), for delivery in Nor. Amer. (water freights extra)..lb. .02¾- —
B (Ark., Col., Kan., part of Mo., N. M., Tex., except coastal ports)..lb. .0310- —
50,000 lbs., dlvd., Zone C (Pac. Cst. States).lb. .0319- —
30,000 lbs., dlvd., Zone C, Pac. Cst. States..lb. .0335- —
D (Ill., Ia., Wis.)..lb. .03¼- —
E (Fla., Ga., Ind., Ky., Mich., part of N. Y., Ohio, part of Pa., Tenn., W. Va.)...lb. .0341- —
F (Me., Md., Mass., N. H., N. J., part of N. Y., N. C., part of Pa., R. I., S. C., Vt., Va.)..lb. .03¾- —
G (Mexico) f.o.b. border, lb. .03 - —
f.o.b. N. Orleans, lb. .029 - —
l.c.l., f.o.b. whse.....lb. .05¾- —
bgs. or ctns. (sellers option) l.c.l., dlvd..lb. .06¼- —
bulk, tanks, same price as bags in each zone.
cs., l.c.l., dlvd.....lb. .07 - —
export, full, compressed, cs., f.a.s., Gulf ports..lb. .04¾ Nom.
uncompressed, cs., f.a.s. Gulf ports..lb. .05¼ Nom.
Charcoal (see C).
Graphite (see G).
Iron oxide, magnetic, 1, bbls., l.c.l., works..lb. .07¾- .08½
2, bbls., l.c.l., works....lb. .07 - —
pure, bbls., works.....lb. .08¾- —
Ivory, genuine, bbls.....lb. .30 - .35
Lamp, dom., 1, ctns., c.l., works..lb. .07 - —
l.c.l., works.....lb. .08 - —
2, ctns., c.l., works.....lb. .09 - —
l.c.l., works.....lb. .10 - —
2A, ctns., c.l., works....lb. .11 - —
l.c.l., works.....lb. .12 - —
3, ctns., c.l., works.....lb. .13 - —
l.c.l., works.....lb. .14 - —
4, ctns., c.l., works.....lb. .14 - —
l.c.l., works.....lb. .15 - —
5, ctns., c.l., works.....lb. .17 - —
l.c.l., works.....lb. .18 - —
6, ctns., c.l., works.....lb. .24 - —
l.c.l., works.....lb. .25 - —
7, ctns., c.l., works.....lb. .34 - —
l.c.l., works.....lb. .35 - —
Import, 1, bbls., c.l., f.o.b. N. Y..lb. .08 - —
l.c.l., f.o.b., N. Y.....lb. .09 - —
2, bbls., c.l., f.o.b. N. Y..lb. .11 - —
l.c.l., f.o.b. N. Y.....lb. .12 - —
3, bbls, c.l., f.o.b. N. Y..lb. .13 - —
l.c.l., f.o.b., N. Y.....lb. .14 - —
4, bbls., c.l., f.o.b. N. Y..lb. .14 - —
5, bbls., c.l., f.o.b. N. Y..lb. .19 - —
l.c.l., f.o.b. N. Y.....lb. .20 - —
6, bbls., c.l., f.o.b. N.Y...lb. .24 - —
l.c.l., f.o.b. N. Y.....lb. .25 - —
Vine, A, bbls., works or N. Y., lb. .04¼- —
B, bbls., works or N. Y....lb. .05½- —
Black dyes are listed under dyes.
Black haw, root bark, bls....lb. .25 - .26
Tree bark bls.....lb. .15 - .16
Black Indian hemp root, bls...lb. .16 - .18
Blanc fixe, dry, by-product, bgs., c.l..ton.55.00 - —
l.c.l. .....ton.60.00 - —
high grade precip., bgs., c.l., works, frt. equal.ton.70.00 - —
l.c.l., same basis....ton.75.00 - —
pulp, 66⅔%, bulk, c.l., works. ton.40.00 -42.50
Bleaching powder, dms., c.l., works..100 lbs. 2.00 - 2.85
l.c.l., works.....100 lbs. 2.25 - 3.35
Blood, dried, dom., 16-16½ ammon., bgs., f.o.b. N Y., unit-ton. 3.10 - —
high-grade, grd., 16-17 ammon., bulk, f.o.b. Chi., unit-ton. 3.00 - —
import, bgs., c.i.f. ports, shipt., unit-ton. 3.35 - —
soluble (see Albumen, blood)
Bloodroot, bls.....lb. .14 - .15
Blue, alkali, toner, bbls., dlvd. N of Tenn. and N. C., E. of Miss. river, including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis, lb. .90 - —
Alkali blue toner prices are ½c. higher dlvd Ala., Fla., Ga., La. (Shreveport, 1¼c.), Miss., N. C., S. C., Tenn., Tex. (Dallas Ft. Worth, 1¼c.; El Paso, 2c.), Cedar Rapids, Des Moines, Kansas City, Lincoln Omaha, St. Joseph; ½c. higher dlvd. Pac. Coast; for Denver, Pueblo, Salt Lake City, Wichita, prices are equalized with Chicago.
Bronze, bbls., same basis, alkali toner, contracts..lb. .36 - —
open order.....lb. .37 - —
Celestial, bbls.....lb .10 - .12
Chinese, bbls., same basis, alkali toner, contracts..lb. .36 - —
open order.....lb. .37 - —
Cobalt, genuine, 1-kilo pkg. lb. 4.90 - —
Imitation (see Blue, ultramarine, group 6).
Copper, phthalocyanin, bbls., f.o.b. works, frt. alld..lb. 3.30 - 3.75
Milori, bbls., same basis alkali toner, contracts..lb. .36 - —
open order .....lb. .37 - —
Potash, dom., bbls., same basis alkali toner, contracts..lb. .45 - —
open order .....lb. .46 - —
Prussian bbls., same basis alkali toner, contracts.lb. .36 - —
open order .....lb. .37 - —
Soluble, bbls., same basis alkali toner, contracts, lb. .36 - —
open order .....lb. .37 - —
Blue, tungstated, peacock, kegs, lb. 3.75 - —
Victoria, kgs.....lb. 3.25 - —
Ultramarine, dry, jobbing, bbls., works, frt. equaled..lb. .11 - —
regular, 1, bbls., works, frt. equaled..lb. .16 - —
2, bbls., same basis....lb. .18 - —
3, bbls., same basis....lb. .19 - —
4, bbls., same basis....lb. .20 - —
5, bbls., same basis....lb. .23 - —
6, cobalt, A, bbls., same basis..lb. .27 - —
B, bbls., same basis.lb. .24 - —
C, bbls., same basis.lb. .23 - —
D, bbls., same basis.lb. .22 - —
7, A, bbls., same basis.lb. .23 - —
B, bbls., same basis..lb. .22 - —
special, 1, bbls., same basis, lb. .19 - —
2, bbls., same basis....lb. .20 - —
3, bbls., same basis....lb. .22 - —
4, bbls., same basis....lb. .23 - —
5, bbls., same basis....lb. .25 - —
6, bbls., same basis....lb. .27 - —
pulp, 1, bbls., same basis..lb. .27 - —
2, bbls, same basis.....lb. .25 - —
3, bbls., same basis.....lb. .23 - —
4, bbls., same basis.....lb. .20 - —
Ultramarine, blue, dlvd., ex whse., is 1c. higher; Pac. Coast ex whse., 2c. higher; 100-lb. kgs., 1c. above bbls.; 28-lb. boxes 5c. above bbls.
Victoria, ink toner, bbls., same basis alkali toner..lb. 1.85 - —
Blue dyes are listed under Dyes.
Blueflag root, bls.....lb. .15 - .16
Blue mass, USP., cns., kgs..lb. 1.00 - 1.02
Blue vitriol, 99%, cryst., bbls., c.l., f.o.b. works..100 lbs. 4.25 - —
16-50 bbls., same basis, 100 lbs. 4.40 - —
6-15 bbls., same basis, 100 lbs. 4.50 - —
1-5 bbls., same basis, 100 lbs. 4.75 - —
Monohydrated, dms., c.l., dealer, f.o.b. works, 100 lbs. 8.65 - 8.90
l.c.l. dealers....100 lbs. 9.65 - 9.90
Bluestone (see Blue vitriol).
Bone, raw, dom., 4½% ammon., 50% phos., bgs., f.o.b. Chicago..ton.27.00 -29.00
c.i.f. Atlantic ports.....ton.27.50 - —
import, bgs., c.i.f., ports.ton.25.00 Nom.
meal, steamed, dom., 3% ammon. 50% phos., bgs., f.o.b. Chicago..ton.23.00 -24.00
import, 100-lb. bgs., c.i.f. ports, shipt..ton.23.00 - —
phosphate, precip. (see Calcium phosphate dibasic, precip.).
steamed, dom., 1½% ammon. 60% phos., bgs., f.o.b. Chicago..ton.19.00 -20.00
import, 1% ammon., 65-70% phos., bgs., c.i.f. ports..ton.21.00 - —
Borage flowers, bls. .....lb. .20 - .21
Borax, tech., 99½%, cryst., bbls., contracts, 80 tons min., dlvd..tons.58.00 - —
l.c.l., ex whse.....ton.67.00 -72.00
sks., contracts, 80 tons min., dlvd..tons.48.00 - —
l.c.l., ex whse.....ton.57.00 -62.00
gran., bbls., contracts, 80 tons min. dlvd..ton.53.00 - —
l.c.l., ex whse.....ton.64.00 -69.00
sks., contracts, 80 tons min., dlvd..ton.43.00 - —
l.c.l., ex whse...ton.54.00 -59.00
powd., bbls., contracts, 80 tons min., dlvd..ton.58.00 - —
l.c.l., ex whse.....ton.69.00 -74.00
sks., contracts, 80 tons min. dlvd..ton.48.00 - —
l.c.l., ex whse.....ton.59.00 -64.00
USP, $15 per ton higher.
Bordeaux mixture, dms., c.l., dealers..lb. .11 - —
l.c.l., dealers, dms..lb. .11½- —
Bordeaux mixture prices are works or whse. basis, frt. alld. to dest. in lots 96 lbs., and over; no trucking or freight allowances for works or warehouse pick-ups.
Borneol, bots. .....lb. 1.75 - 2.00
cns. .....lb. 1.50 - —
Brazilwood extract (see Hypernic).
Brimstone (see Sulphur).
Bromine, purif., cs., 1,000 lbs., frt. alld. E. of Rockies..lb. .30 - —
single pkg., same basis.lb. .35 - —
Bromoform, USP, bots.....lb. 1.40 - 1.60
Bromstyrol, bots. .....lb. 3.25 - 4.50
Bronze powder, aluminum (see A).
Gold, litho, cns., dms., over 10 lbs..lb. .45 - .65
moulding, cns., dms., over 10 lbs..lb. .65 - .90
printing ink, cns., dms., over 10 lbs..lb. .70 - 1.10
radiator, cns., dms., over 10 lbs..lb. .45 - .50
Broomtop, bls. .....lb. .11 - .18
Brown, iron oxide, pure precip., cks., f.o.b. N.Y., or works..lb. .10 - —
Metallic, bbls., works.....lb. .02¼- —
paper bags, c.l., works....lb. .0210- —
Sienna, burnt, American, bbls., works..lb. .03 - —
Italian, Group 1, bbls., f.o.b. N. Y. or Pa. points..lb. .12¼- —
Group 2, bbls., same basis, lb. .11¼- —
3, bbls., same basis...lb. .10¼- —
4, bbls., same basis...lb. .08¾- —
5, bbls., same basis...lb. .08¾- —
6, bbls., same basis...lb. .08¼- —
7, bbls., same basis...lb. .08 - —
8, bbls., same basis...lb. .07¾- —
9, bbls., same basis...lb. .07¼- —
10, bbls., same basis..lb. .06¾- —
11, bbls., same basis..lb. .06¾- —
12, bbls., same basis..lb. .06¼- —
13, bbls., same basis..lb. .06 - —
14, bbls., same basis..lb. .05½- —
raw, American, bbls., works, lb. .02⅞- —
Italian, Group 1, bbls., f.o.b., N. Y. or works..lb. .12½- —
Group 2, bbls., same basis, lb. .10⅞- —
3, bbls., same basis...lb. .11 - —
4, bbls., same basis...lb. .09½- —
5, bbls., same basis...lb. .09 - —
6, bbls., same basis...lb. .08¼- —
7, bbls., same basis...lb. .07¾- —
8, bbls., same basis...lb. .07¼- —
9, bbls., same basis...lb. .06¾- —
10, bbls., same basis..lb. .06 - —
11, bbls., same basis..lb. .05 - —
Umber, American, bbls., works, lb. .02⅞- —
Turkey, bbls., l.c.l., f.o.b. Bethlehem, Pa., Easton, Pa., N. Y..lb. .04 - —
St. Louis.....lb. .04¾- —
ex car Los Angeles...lb. .04¼- —
ex dock, Portland, San Francisco, Seattle..lb. .04¾- —
ex whse., Boston....lb. .04½- —
Chicago, Indianapolis, New Orleans.....lb. .04¾- —
Kansas City.....lbs .05 - —
Los Angeles, Portland, San Francisco, Seattle, lb. .04¾- —
Minneapolis .....lb. .0485- —
Pittsburgh .....lb. .04¼- —
Vandyke, bbls., l.c.l.....lb. .05⅝- —
Walnut crystals, bbls.....lb. .05½- .06
Brucine, 100 oz., cns.....oz. .10 - —
Sulphate, 100 oz., cns.....oz. .07 - —
Bryonia root, bls.....lb. .10 - .11
Buchu leaves, bls.....lb. .40 - .41
Buckthorn bark, true, bls.....lb. .05 - .05½
Berries, bgs. .....lb. .18 - .19
Burdock root, bls. .....lb. .10 - .10½
Burgundy pitch, dom., bbls., c.l., works..lb. .05½- —
l.c.l., dlvd. E.....lb. .06¼- —
import, stands.....lb. .15 - .16
Butanes, comi., 16-34°, tanks, group 3..gal. .03¾- —
Butternut bark, bls.....lb. .07 - .08
Butyl acetate norm., dms., c.l., contract, frt. alld..lb. .09½- —
l.c.l., contract, frt.alld..lb. .10 - —
tanks, contract, frt. alld..lb. .08½- —
secondary, dms., c.l., frt. pd. E. of Rocky Mts..lb. .07½- —
l.c.l., same terms.....lb. .08 - —
tanks, same terms.....lb. .06½- —
Alcohol (see Alcohol):—
Aldehyde, dms., c.l., works..lb. .15½- —
l.c.l., works.....lb. .16½- .17½
tanks, works.....lb. .14½- —
Carbinol (see Carbinol).
Crotonate, normal, 55 & 110 gal. dms., dlvd..lb. .33 - —
5 & 10 gal. dms., dlvd....lb. .36 - —
Ether (see under Ether).
Lactate, dms. .....lb. .22½- —
Propionate, dms., dlvd.....lb. .16½- .17
tanks .....lb. .15½- —
Stearate, dms. .....lb. .26 - —
Butyric ether, bots.....gal. 6.60 - 6.95
cns, works .....lb. .65 - .70
dms., frt. alld. Met. N. Y..lb. .60 - —

C

Cadmium bromide, jars, 100 lbs., works, frt. equal'd..lb. 1.66 - —
50 lbs., works.....lb. 1.66 - —
25 lbs., works.....lb. 1.71 - —
bots., 5 lbs., works.....lb. 1.85 - —
Iodide, 5-lb. bots.....lb. 4.21 - —
25-lb. cns.....lb. 3.97 - —
Lithopone (see Yellow)
Metal, cs.....lb. 1.20 - —
Red (see Red).
Selenide (see Red).
Sulphide (see Yellow).
Caffeine, 100-lb. dms., 10,000 lbs. or more..lb. 2.20 - —
2,000 lbs., or more.....lb. 2.25 - —
1,000 lbs., or more.....lb. 2.30 - —
100 lbs.....lb. 2.35 - —
25-lb. dms., 10,000 lbs., or more..lb. 2.23 - —
2,000 lbs., or more.....lb. 2.28 - —
1,000 lbs., or more.....lb. 2.33 - —
100 lbs.....lb. 2.43 - —
25 lbs.....lb. 2.55 - —
10-lb. cns., 10,000 lbs. or more. lb. 2.25 - —
2,000 lbs., or more.....lb. 2.30 - —
1,000 lbs., or more.....lb. 2.35 - —
100 lbs.....lb. 2.45 - —
less than 100 lbs.....lb. 2.75 - —
5-lb. cns., 25 lbs., or more..lb. 2.70 - —
less than 25 lbs.....lb. 2.85 - —
Citrated, cns.....lb. 1.80 - 2.10
Hydrobromine, bots.....lb. 4.91 - 4.99
Calabar beans, bgs.....lb. .25 - .26
Calamus root, bleached, cs....lb. .40 - .41
peeled, bls.....lb. .10 - .12
Calcium acetate, bgs.,dlvd.100 lbs. 1.65 - —
Arsenate, bgs., c.l., dealers, E. of Rockies..lb. .06¾- .07¼
W. of Rockies, bgs., dms., lb. .06½- .06¾
Southern cotton states, bgs., lb. .06½- .07
Calcium arsenate prices are works or whse. basis, frt. alld. to dest. in lots of 96 lbs. or over; no frt. or truck allowance for plant or whse. pick-up.
Bromide, 100 lbs., works, frt. equaled..lb. .70 - —
50 lbs., works.....lb. .72 - —
25 lbs., works.....lb. .75 - —
Carbide, dms.....lb. .05 Nom.
Carbonate (see Chalk and Whiting).
Chloride, flake, dom., 77-88%, bgs., dms., c.l., dlvd ton.22.00 -35.00
l.c.l., 1 ton or over, dlvd. 100 lbs. 1.70 - 2.35
liquor, basis 40%, tanks, works ton. 7.50 - —
solid, dom., 73-75% bgs., dms., c.l., dlvd.ton.20.00 -33.00
l.c.l., 1 ton or over, dlvd. 100 lbs. 1.60 - 2.25
Gluconate, U.S.P., gran., powd., bbls., 125 lbs..lb. .50 - —
dms. .....lb. .55 - .57
cns. .....lb. .68 - .85
Glycerophosphate, fib., dms., 1,000-lb. lots..lb. 1.00 - —
smaller lots.....lb. 1.15 - —
cns., 25 lbs.....lb. 1.40 - —
Hypophosphite, cns.....lb. .62 - .67
Iodide, bots., jars.....lb. 3.85 - 3.90
Lactate, U.S.P.,bbls., 200 lbs.lb. .23 - —
Levulinate, bots., less than 25 lbs., works..lb. 3.00 - —
Nitrate, bgs., to fert. mfrs., ex vessels, Camden, N. J., or f.o.b. cars, So. Atlantic ports ton.28.00 - —
Palmitate, bbls.....lb. .22 - .23
Phosphate, dibasic, precip., 38-42% P_2O_5, bgs., c.i.f. Atlantic ports, shipt..unit-ton. .81 - —
tribasic, c.l., bbls., works..lb. .06½- —
l.c.l., bbls.....lb. .07½- —
Resinate, precip., bbls., 1 ton.lb. .13 - —
smaller lots.....lb. .14 - —
Stearate, precip., bbls., ctns., c.l. .20 - —
l.c.l., 1 ton.....lb. .20 - —
Sulphate (see Gypsum).
Sulphide, 65-70%, CaS, wks., c.l..ton.64.00 - —
l.c.l. .....ton.68.00 - —
75% CaS (minus 100 mesh), c.l., works..ton.52.00 - —
l.c.l., works.....ton.56.00 - —
83-85 CaS, c.l., works...ton.58.00 - —
l.c.l., works.....ton.64.00 - —
luminous, dom., tins, works, 100 lbs. .85 - —
Sulphocarbolate,bbls.,200 lbs.lb. .48 - —
kgs., 100 lbs.....lb. .50 - —
Calendula flowers, bls.....lb. .35 - .36
Calomel, bbls., fib., dms., kgs., 50 lbs., or more..lb. 1.28 - —
Camphor, natural, powd., cs...lb. .52½- .53
slabs, cs. .....lb. .52½- .53
tablets, tins .....lb. .57 - .57½
synthetic, dom., imp., gran., powd., bbls., 2,000-lb. lots lb. .47 - —
1,000-lb. lots .....lb. .48 - —
500-lb. lots .....lb. .49 - —
100-lb. lots .....lb. .50 - —
Monobromate, bxs., kgs.....lb. 1.75 - 1.80
Canada balsam (see Fir balsam).
Canary seed, Argentine, bgs..lb. .0425- .0440
Morocco, bgs. .....lb. .0425- .0440
Turkish, bgs. .....lb. .0425- .0440
Canella alba bark, bls.....lb. .30 - .31
Cantharides, Chinese, cs.....lb. .60 - .70
powd., bxs.....lb. .70 - .80
Russian, cs. .....lb. .90 - .95
powd., bxs. .....lb. 1.15 - 1.20
Capsicum (see Pepper, red).
Caraway seed, Dutch, bgs....lb. .06¾- .07
Carbazole, 95%, dms., ton lots, works..lb. .70 - —
smaller quantities, works..lb. .80 - —
98%, dms., ton lots, works..lb. .75 - —
smaller quantities, works..lb. .85 - —
Carbinol, butyl, norm., dms., works..lb. .60 - —
small lots, works.....lb. .75 - —
secondary, dms., works...lb. .60 - —
small lots, works.....lb. .75 - —
Diethyl, dms., works.....lb. .60 - —
small lots, works.....lb. .75 - —
Isobutyl, 128-132°, dms., c.l., works..lb. .33 - —
l.c.l., works.....lb. .34 - —
tanks, works.....lb. .32 - —
Methylpropyl, dms., works..lb. .60 - —
small lots, works.....lb. .75 - —
Dimethylethyl, dms., works.lb. .60 - —
small lots, works.....lb. .75 - —
Carbon bisulphide, 55-gal. dms., c.l., frt. all'd, E. of Miss. R., N. of Ohio R..lb. .05 - —
l.c.l., same basis.....lb. .05¾- —
5-gal. dms., c.l., same basis, lb. .07 - .07½
l.c.l., same basis.....lb. .08 - .08½
tanks, same basis.....lb. .04½- —
Dioxide, cyls.....lb. .06 - .08
Tetrachloride, 55-gal. or 110-gal. dms., c.l. (20 tons), frt. alld. E. of Miss. R., N. of Ohio R..lb. .05¼- —
l.c.l., same basis.....lb. .05¾- —
10-gal. dms., c.l. (20 tons), same basis..lb. .07 - .07½
l.c.l., same basis.....lb .08 - .08½
5-gal. dms., c.l. (20 tons), same basis..lb. .07 - .07½
l.c.l., same basis.....lb. .08 - .08½
tanks, same basis.....lb. .05 - —
Fire extinguisher liquid, 1½c. lb. higher.
Cardamom, bleached, cs.....lb. 1.30 - 1.65
decorticated, cs. .....lb. .78 - .80
green, bgs. .....lb. .50 - .52
Carvol, bots. .....lb. 4.00 - 4.25
Cascara sagrada bark, bulk....lb. .10 - .11½
Case-hardening mixture, 30%, lump, dms., l.c.l..lb. .09 - —
Casein, dom., 20-30 mesh, bgs., c.l., dlvd..lb. .08 - —
5 tons, works.....lb. .09½- —
smaller lots, works.....lb. .10½- —
80-100 mesh, bgs., c.l., dlvd., lb. .08½- —
5 tons, works.....lb. .10 - —
smaller lots, works.....lb. .11 - —
Import, Argent., 20-30 mesh, bgs., c.l., duty pd..lb. .12½-Nom.
80-100 mesh, bgs., c.l. duty paid..lb. .13 Nom.
French, 30 mesh, bgs., c.l., duty pd..lb. .17 Nom.
Cassia, Batavia, 1, bgs.....lb. .16¼- .16½
3, bls. .....lb. .10½- .11
shortstick, bls.....lb. .12¾- .13
China, rolls, select, cs.....lb. .07 - .07¼
broken, extra, bls.....lb. .04½- .04¾
Saigon, bls.....lb. .15 - .15½
Cassia buds, cs.....lb. .15¼- .15¾
Cassia fistula, bskts.....lb. .07 - .09
Castile soap, white, bars., cs., 40 lbs.11.75 -12.50
powd., bbls. .....lb. .28 - .35
Castoreum, nat., cns.....lb.15.00 -18.00
synth., bots. .....lb.19.00 - —
Castor oil (see Oil, castor).
Pomace, dom., 5% ammon., bgs., c.l., works..ton.18.50 - —
import, bgs., c.i.f., ports, shipment..ton.21.00 - —
Catnep leaves, bls. .....lb. .17 - .18
Celery seed, French, bgs.....lb. .13¾- .14
Indian, bgs. .....lb. .11¾- .12
Celluloid scrap (see Pyroxylin scrap).
Cellulose acetate, flake, gran., cs., frt. alld..lb. .40 - —
Acetobutyrate, 501 lbs. and over, works..lb. .52 - —
101 lbs., works.....lb. .53 - —
smaller lots, works.....lb. .55 - —
Acetopropionate, 500 lbs. and over, works..lb. .57 - —
100-499 lbs., works.....lb. .58 - —
1-99 lbs., works.....lb. .60 - —
Cerium hydrate, dms., works..lb. .60 - —
Oxalate, USP, bbls., works..lb. .35 - —
kgs., works .....lb. .37 - —
Chalk, precip., extra light, light, heavy, bgs., 50 lbs., c.l., f.o.b., works..lb. .02¾- —
cks., 250 lbs., c.l., f.o.b., works..lb. .03¼- —
Chamomile flowers, Hungarian, genuine, cs..lb. .19 - .20
Roman, bls. .....lb. .27 - .28
Charcoal, softwood, powd., bgs., c.l., dlvd., Ala., Del., Ga., Ky., Md., Miss., N. J., N. Y., N. C., S. C., Tenn., Va., W. Va..ton.30.40 - —
Colo. .....ton.27.00 - —
Conn., Me., Mass., N.H., R. I., Vt. .....ton.30.80 - —
Ill. (except river point), Minn., Neb., Wis.ton.25.00 - —
Indiana .....ton.26.00 - —
Ill. (river points), Ia., Mo., Okla., Tex. (except El Paso)..ton.23.00 - —
Kansas, El Paso, Tex., ton.24.00 - —
Michigan .....ton.27.80 - —
Ohio, Penn. .....ton.29.80 - —
Utah .....ton.34.00 - —
Willow, powd., bbls. .....lb. .06 - .07
Chestnut extract, clarif., 25% tan., bbls., c.l. wks..lb. .02 - —
l.c.l., bbls., wks.....lb. .02¼- —
tanks, wks.....lb. .01⅝- —
Chillies (see Pepper, red).
China clay, dom., dry-grd., airfloat, 99.75%, 300 mesh, bgs., c.l., works..ton. 9.50 - —
l.c.l., works.....ton.10.00 -16.00
bulk, c.l., works.....ton. 7.00 - —
200 mesh, bgs., c.l., works..ton. 8.50 - —
l.c.l., works.....ton. 9.50 -15.50
wet-grd., silk-bolt, 99.9%, 325 mesh, bulk, c.l., works, ton. 9.50 - —
paper bgs., c.l., works, ton.12.50 - —
Import, white, lump, bulk, c.l., ex dock Balto. Boston, Norfolk, Phila..ton.22.00 -25.00
powd., csks., l.c.l., ex dock, ton.35.00 - —
ex whse. .....ton.37.50 - —
Chloral hydrate, bots., 1,000 lbs. lb. .83 - .92
500 lbs.....lb. .86 - .93
100 lbs.....lb. .88 - .97
25 lbs.....lb. .90 - .99
1-10 lbs.....lb. .95 - 1.02
dms., 1,000 lbs.....lb. .80 - —
500 lbs.....lb. .83 - —
100 lbs.....lb. .85 - —
Chlorine, liq., cyls., c.l., dlvd., N. Y..lb. .05½- —
contracts, dlvd., N.Y....lb. .05½- —
l.c.l., dlvd., N.Y.....lb. .07½- —
tanks, single unit, works, frt. equaled..100 lbs. 2.15 - —

Chlorine, liq., tanks, multiple unit, 3 or over, wks., frt. equald..100 lbs. 2.30 - —
2, works, frt. equaled.100 lbs. 2.55 - —
1, works, frt. equald..... 100 lbs. 3.00 - —
Chloroacetophenone, tins, works.lb. 3.00 - 3.60
Chloroform, tech., 650-lb. dms.lb. .20 - —
100-lb. dms.....lb. .22 - —
50-lb. dms.....lb. .23 - —
USP, 650-lb. dms.....lb. .30 - —
100-lb. dms.....lb. .32 - —
50-lb. dms.....lb. .33 - —
Chloropicrin, comi, 100-lb. cyls., works..lb. .85 - —
5-lb. cycls., same basis..lb. 1.15 - —
Chrome acetate, powd., 17.5% cr., bbls., works..lb. .13 - —
smaller pkgs., works....lb. .17 - —
solut., 8% cs. bbls.....lb. .05 - .08
Cake, bulk, c.l., works.....ton.15.00 -16 00
Green (see Green, chrome).
Oxide (see Green, chrome oxide).
Sulphate, pearls, dms., 100 lbs., lb. .40 - —
powd., dms., 100 lbs.....lb. .45 - —
scales, dms., 100 lbs.....lb. .45 - —
Trioxide (see Acid, chromic).
Yellow (see Yellow, chrome).
Chrysarobin, cns.....lb. 3.25 - 3.30
Cinchona bark, chips, bgs.....lb. .18 - .19
high test, bgs.....lb. .37 - .38
quills, broken, bgs.....lb. .18 - .19
long, cs. .....lb. .45 - .50
short, bgs. .....lb. .40 - .45
Ecuador, tubes.....lb. .18 - .20
Cinchonidine, crys., small cns., 100 ozs..oz. .83 - —
large, cns.....100 ozs. .87 - —
powd., cns.....100 ozs..oz. .80 - —
Sulphate, N.F., cns.100 ozs..oz. .47 - —
Cinchonine, crys., small, cns., 100 ozs..oz. .54 - —
large, cns.....100 ozs..oz. .58 - —
powd., cns.....100 ozs..oz. .50 - —
Sulphate, N.F., cns.100 ozs..oz. .34 - —
Cinchophen, USP, boxes, 5 lbs., lb. 3.75 - —
bots., 1 lb.....lb. 3.27 - —
dms., 100 lbs.....lb. 3.00 - —
Cinnamic alcohol (see Alcohol cinnamic).
Aldehyde, f.c.c., cbys.....lb. .85 - .90
Cinnamon, Ceylon, 2, bls.....lb. .16 - .16½
3, bls.....lb. .16½- .16⅝
Citral, bots., cns.....lb. 1.40 - 3.10
Citrine, ointment, jars, tubes..lb. .75 - —
Citronellal, bots., dms.....lb. .75 - .80
Citronellol, bots., dms.....lb. 1.75 - 1.80
Clove, Madagascar, bls.....lb. .14 - .14¼
Zanzibar, bls.....lb. .16½- .17
Clover tops, bgs.....lb. .13 - .14
Coaltar, coal-gas, crude, bbls., c.l., works..bbl. 7.50 - 7.75
l.c.l., works.....bbl. 8.25 - 8.50
tanks, works.....gal. .07½- .09
refd., bbls., c.l., works....bbl. 8.00 - 8.25
l.c.l., works.....bbl. 8.75 - 9.00
tanks, works.....gal. .08½- .10
water-gas, crude, dms., c.l., works..dm. 7.50 - —
l.c.l., works.....dm. 8.25 - —
refd., dms., c.l., works....dm. 8.00 - —
l.c.l., works.....dm. 8.75 - —
Cobalt acetate, bbls., kgs., dlvd. lb. .65 - .67
Carbonate, tech., bbls., dlvd..lb. 1.03 - —
Chloride, dms., works.....lb. 1.03 - 1.18
Hydrate, bbls.....lb. 1.78 - —
Linoleate, paste, 6%, dms....lb. .31 - —
solid, 8½%, bbls.....lb. .33 - —
Cobalt oleate, bbls.....lb. .25 Nom.
Oxide, black, kgs.....lb. 1.07 - —
Resinate, fused, A, bbls....lb. .13½- —
1%, bbls.....lb. .13 - —
2%, bbls.....lb. .14 - —
3½%, bbls.....lb. .17½- —
precip., dms., dlvd.....lb. .34 - —
Sulphate, dms.....lb. .59 - —
Cocaine hydrochloride, 100 ozs., cns..oz. 9.75 - —
Cochineal, gray, bgs.....lb. .35 - .38
Teneriffe, silver, bgs.....lb. .36 - .39
Cocillana bark, bgs.....lb. .15 - .16
Cocoa butter, lump, bgs., c.l..lb. .12 - .12½
Codeine, cns., 100 ozs.....oz.11.70 - —
Hydrochloride, cns., 100 ozs.oz. 10.50 - —
Phosphate, cns., 100 ozs.....oz. 9.00 - —
Sulphate, cns., 100 ozs.....oz. 9.50 - —
Codliver oil (see Oil, codliver).
Cohosh, black, root, bls.....lb. .08 - .09
Blue, root, bls.....lb. .07 - .07⅛
Colchicine, bots., 4 ozs.....oz.20.00 - —
single ozs. .....oz.21.00 - —
Colchicum seed, bgs.....lb. .25 - .27
Collodion, USP, dms., 325 lbs..lb. .12½- —
cns., 25 lbs.....lb. .16 - —
Flexible, USP, dms., 325 lbs.lb. .14½- —
cns., 25 lbs.....lb. .18 - —
Colocynth pulp, bls.....lb. .25 - .29
Colombo root, bls.....lb. .10 - .11
Coltsfoot leaves, bgs.....lb. .08 - .09
Condurango bark, bgs.....lb. .08 - .09
Conium leaves, bls.....lb. .17 - .18
Copaiba balsam, Para, cns....lb. .24 - .25
S.A., USP, cns.....lb. .26 - .27
Copper acetate, normal, bbls., dlvd..lb. .21 - —
smaller containers, dlvd..lb. .23 - —
Carbonate, 52-54%, bbls.....lb. .14 - .15
20%, bbls.....lb. .10½- .11¼
Chloride, cryst., bbls.....lb. .12½- .13½
Cyanide, tech., bbls.....lb. .34 - —
Iodide, bots.....lb. 4.97 - 5.02
Metal, electrolytic.....lb. .10¼- —
Nitrate, cryst., bbls.....lb. .15½- .17
Oleate, precip., bbls.....lb. .20 - —
Oxide, black, bbls., tons, works, lb. .14¾- .15¼
smaller lots, works.....lb. .15¾- —
red, com'l, 50-75%, kgs., f.o.b. N. Y...lb. .15¼- .16¼
Resinate, precip., bbls.....lb. .15 - .16
Stearate, precip., bbls.....lb. .23 - .24
Sulphate (see Blue vitriol).
Copperas, cryst., gran., bgs., c.l., works..ton.16.00 - —
bbls., c.l., works.....ton.18.00 - —
l.c.l., 25 or over, works.... 100 lbs. 1.35 - —
5-24, works.....100 lbs. 1.50 - —
1-4, works.....100 lbs. 2.00 - —
bulk, c.l., works.....ton.13.00 - —
Copra, Coast, shipt.....lb. .0190 Nom.
Coriander seed, Morocco, bgs..lb. .04¾- .05
bleached, bgs.....lb. .07¾- .08
Corn sugar, tanners, bbls., c.l., dlvd..100 lbs. 3.15 - —
ex whse.....100 lbs. 3.25 - —
Syrup, 42°, bbls., c.l....100 lbs. 3.09 - —
43°, bbls., c.l.....100 lbs. 3.14 - —
Cornsilk, bls.....lb. .06 - .07
Corrosive sublimate, cryst., dms., 50 lbs., or more..lb. 1.13 - —
gran., powd., dms., 50 lbs. or more..lb. .99 - —
Cottonroot bark, bls.....lb. .11 - .12
Cottonseed hull ash, 30-32% pot-ash, bgs., dlvd..unit-ton. 1.10 - —
Coumarin, 5 lbs., or more, 25-lb. cns..lb. 2.75 - 3.00
5-lb. cns.....lb. 2.85 - 3.10
1-lb. cns.....lb. 3.00 - 3.25
1-oz. cns.....lb. 3.35 - 3.60
less than 5 lbs., cns.....lb. 4.15 - 4.65
Cramp bark, genuine, bls.....lb. .22 - .23
so-called, bls.....lb. .07 - .08
Cranesbill root, bls.....lb. .14 - .15
Cream tartar, gran. or powd., bbls., 5,000 lbs., one shipm't, lb. .21¾- —
smaller lots, bbls.....lb. .22¼- —
kgs. .....lb. .22¾- —

Creosote, beechwood, bots.....lb. .70 - .75
Hardwood, USP, bots.....lb. .45 - .47
Pine, dms.....gal. .28 - —
Carbonate, bots., cbys.....lb. 1.40 - 1.75
Creosote oil, crude, tanks, works, gal. .13½- .14½
Coaltar solution, tanks, works, gal. .122 - .132
refd., bbls., l.c.l., works, gal. .25 - —
tanks, works.....gal. .18 - .18½
Cresol, USP, dms., c.l., works.lb. .10½- —
l.c.l., same basis.....lb. .11 - —
special resin grade, dms., c.l., works..lb. .09¼- —
l.c.l., same basis.....lb. .09¾- —
Crotonaldehyde, 97%, 55 and 110 gal. dms., dlvd..lb. .22 - —
5 and 10 gal. dms., dlvd..lb. .25 - —
Cube root, powd., 5% rotenone, bbls., f.o.b. N.Y.C., frt. equaled, with shipments from Newark and Balto. Prices for Pacific Coast are plus frt., 10,000 lbs. or more..lb. .25 - .26
2,000 lbs. to 10,000 lbs..lb. .26 - .27
1,000 lbs. to 2,000 lbs..lb. .27 - .28
200 lbs. to 1,000 lbs.....lb. .29 - .30
4% rotenone prices are 4c. per lb. less.
Cube root, powd., contracts accepted for delivery only up to September 30, 1938. No protection against decline in price. Part deliveries against contract are billed at price for smaller quantities, subject to adjustment when contract quantity is reached.
Cubeb berries, XX, bgs.....lb. .27 - .28
powd., cs. .....lb. .30 - .31
Culver's root, bls.....lb. .17 - .18
Cumin seed, Algerian, bgs....lb. .09¼- .09⅝
Morocco, bgs. .....No stocks.
Cutch, Philippine, extract, solid bags..lb. .04¾- .04½
Cyanamid, 21-22% N., pulv., bgs., dlvd., contrs., NH_3 unit..lb. 1.15 - —
Cyanide-chloride, mixture, 45%, gran., dms..lb. .10¾- —
lump, dms.....lb. .09¾- —
75%, gran., dms.....lb. .15 - —
75%, gran., dms.....lb. .15 - —

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Damiana leaves, bls.....lb. .15 - .16
Dandelion root, German, bls..lb. .14 - .15
Deertongue leaves, bls.....lb. .09 - .09½
Degras, common, dom., bbls...lb. .07¾- .08¼
English, bbls.....lb. .07¾- .08¼
neutral, dom., bbls.....lb. .11 - .15
English, bbls.....lb. .11 - .15
Derris root, powd., 5% rotenone, bbls., f.o.b. N.Y.C., frt. equal'd., with shipments from Newark and Balto. Prices for Pacific Coast are plus frt., 10,000 lbs., or more..lb. .34 - .38
2,000 lbs., to 10,000 lbs..lb. .35 - .39
1,000 lbs. to 2,000 lbs. lb. .36 - .40
Derris root, powd., 5% rotenone, f.o.b. N. Y., 200 lbs., to 1,000 lbs..lb. .38 - .42
4% rotenone prices are 6c. per lb. less
Derris root, powd., contracts accepted for delivery only up to September 30, 1938. No protection against decline in price. Part deliveries against contract are billed at price for such smaller quantities, subject to adjustment when contract quantity is reached.
Dextrin, British gum, c.l., f.o.b. Chicago..100 lbs. 3.75 - —
l.c.l., f.o.b. Chicago..100 lbs. 3.95 - —
corn, canary, bgs., c.l., f.o.b. Chicago..100 lbs. 3.50 - —
l.c.l., f.o.b. Chicago..100 lbs. 3.70 - —
white, bgs., c.l., f.o.b. Chicago..100 lbs. 3.45 - —
l.c.l., f.o.b. Chicago..100 lbs. 3.65 - —
Potato, import, bgs.....lb. .07¼- .08
Diacetone (see under Alcohol).
Diamyl ether, dms., c.l., works, lb. .085 - —
l.c.l., works.....lb. .092 - —
tanks, works.....lb. .075 - —
Oxalate, dms., l.c.l., works..lb. .30 - —
Phthalate, dms., c.l., dlvd...lb. .20½- —
l.c.l., dlvd.....lb. .21 - —
tanks, dlvd.....lb. .19½- —
Sulphide, dms., l.c.l., works..lb. 1.10 - —
Diamylamine, dms., c.l., works, lb. .47 - —
l.c.l., works.....lb. .50 - —
Diamylene, dms., c.l., works..lb. .095 - —
l.c.l., works.....lb. .102 - —
tanks, works.....lb. .085 - —
Diatomaceous earth, dom., bgs., c.l., Pacific cst., works, ton.22.00 -85.00
l.c.l., ex whse.....ton.45.00 -150.00
Import, bgs., c.l., c.i.f.....ton.30.00 - —
Dibutylamine, dms., l.c.l., works, lb. .55 - —
Dibutyl phthalate, dms., c.l., dlvd..lb. .20½- —
l.c.l., dlvd. .....lb. .21 - —
tanks, dlvd. .....lb. .19½- —
Tartrate, dom., dms.....lb. .45 - .54
Dicalcium phosphate (see Calcium phosphate, dibasic).
Dichlorethyl ether, dms., c.l., works..lb. .15 - —
l.c.l., works .....lb. .16 - —
tanks, works .....lb. .14 - —
Diethanolamine, dms., c.l., works..lb. .24 - —
l.c.l., works .....lb. .25 - —
tanks, works .....lb. .22 - —
Diethyl carbonate, coml., dms.lb. .25 - —
refd., 99%, dms. .....lb. .35 - —
Carbinol (see Carbinol).
Phthalate, dms., c.l., frt. alld. lb. .19 - —
l.c.l. .....lb. .19½- —
tanks .....lb. .18 - —
Sulphate, dms., c.l., works..lb. .13 - —
l.c.l., works .....lb. .14 - —
tanks .....lb. .12 - —
Diethylanilin, dms. .....lb. .40 - —
Diethyleneglycol, dms., c.l., works, lb. .16 - —
l.c.l., works .....lb. .17 - —
Monobutylether dms., works..lb. .23 - .24
Diethylene glycol monoethylether, dms., c.l., works..lb. .15 - —
l.c.l., works .....lb. .16 - —
tanks, works .....lb. .14 - —
Digitalis, leaves, dms.....lb. .42 - .45
Diglycol laurate .....lb. .23 - —
Diglycol oleate, light, bbls.....lb. .20 - —
Diglycol stearate .....lb. .25 - —
Di-isobutyl ketone, dms., works, lb. .19 - —
Dillseed, recleaned, bgs.....lb. .08 - .08½
Dimethyl phthalate, dms., c.l., dlvd..lb. .18½- —
l.c.l., dlvd. .....lb. .19 - —
Dimethylamine, dms., c.l., dlvd. lb. 1.00 - —
l.c.l., dlvd. .....lb. 1.05 - —
tanks, dlvd. .....lb. .17½- —
Dimethylanilin, dms., c.l.....lb. .26 - —
l.c.l., dms. .....lb. .27 - —
Dimethylethyl carbinol (see Carbinol).

Dinitrobenzene, bbls, 89° min., lb. .18 - —
Dinitrochlorobenzene, bbls.....lb. .14 - —
Dinitronaphthalene, kgs.....lb. .35 - .38
Dinitrophenol, bbls. .....lb. .22 - —
Dinitrotoluene, dms.....lb. .15½- —
oily, dms.....lb. .09 - —
Diorthotoulolguanidins, dms., 2,000 lbs. or over, dlvd..lb. .44 - —
600-1,950 lbs., dlvd.....lb. .46 - —
150-450 lbs., dlvd.....lb. .47 - —
Dioxan, dms., c.l., frt. alld....lb. .20 - —
l.c.l., same basis.....lb. .21 - —
tanks, same basis.....lb. .19 - —
Dip oil (see Tar acid oil).
Dipentene, dms.....gal. .47 - .50
tanks .....gal. .41 - —
Diphenyl, bbls., c.l., works....lb. .15 - —
l.c.l., works.....lb. .20 - .25
Oxide, perfume grade, cns...lb. .50 - .55
Diphenylamine, bbls.....lb. .81 Nom.
Diphenylguanidin, dms., 2,000 lbs. or over, dlvd..lb. .35 - —
600-1,950 lbs., dlvd.....lb. .36 - —
150-450 lbs., dlvd.....lb. .37 - —
Diphenylmethane, bots.....lb. 1.40 - 3.00
Disodium phosphate (see Soda phosphate, dibasic).
Divi-divi extract, bbls.....lb. .05¾- .06¾
Doggrass root, cut, bls.....lb. .11 - .12
Dogwood bark, dom., bls.....lb. .07 - .08
Jamaica, bls.....lb. .06 - .07
Dover's powder, USP, cns....lb. 2.75 - 2.80
Dragon's blood, mass, cs.....lb. .65 - .85
reeds, thin, cs.....lb. .80 - .85
Duboisine sulphate, vls.....oz.34.50 -35.00
Dyes, coaltar, for coloring foods (certified colors) (numbers are those of Colour Index scale):—
Blue:—
Brilliant blue FCF, cans..lb.13.50- —
1180 Sodium indigo disulphonate, cns..lb.13.50- —
Green:—
Fastgreen FCF, cns.....lb.27.50- —
666 Guinea green B., cns. lb.13.50- —
670 Light green SF, yellowish. cns..lb.17.50- —
Red:—
184 Amaranth, cns.....lb. 3.15- —
773 Erythrosin, cns.....lb.17.50- —
80 Ponceau 3R, cns.....lb. 6.00- —
Ponceau SX, cns.....lb. 5.75- —
Orange:—
150 Orange I, cns.....lb. 2.90- —
Yellow:—
10 Naphthol yellow S, cns..lb. 8.50- —
Sunset yellow FCF, cns.lb. 3.15- —
640 Tartrazin, cns.....lb. 3.15- —
22 Yellow AB, cns.....lb. 2.65- —
61 Yellow OB, cns.....lb. 2.65- —
Dyes, coaltar, for general uses (numbers are those of Colour Index scale):—
36 Chrome yellow 2G.....lb. .65 - .70
40 Chrome yellow R.....lb. .50 - 1.00
53 Victoria violet.....lb. .80 - 1.00
165 Lake red C.....lb. 1.00 - —
176 Fast red A.....lb. .60 - .75
180 Fast red VR.....lb. 1.50 - 1.65
189 Lake red R, paste.....lb. .85 - .90
189 Lake red R, powdered.lb. 3.00 - 3.10
202 Chrome blue black U..lb. .32 - .40
204 Chrome black A.....lb. 1.75 - 2.00
208 Fast red blue R.....lb. .75 - 2.00
216 Chrome red B.....lb. 1.75 - 2.00
262 Cloth red 2B.....lb. .60 - .80
289 Fast cyanin 5R.....lb. .90 - 1.00
299 Chrome black F.....lb. .60 - .65
307 Fast cyanin black B...lb. .80 - .85
326 Direct cast scarlet....lb. 2.00 - 2.25
304 Paper yellow.....lb. .83 - .90
365 Chrysophenin G.....lb. .58 - 70
394 Direct violet N.....lb. 1.25 - 1.30
382 Direct scarlet B.....lb. 1.50 - 1.75
387 Direct violet B.....lb. 1.00 - 1.30
401 Developed black BHN..lb. .50 - .75
406 Direct blue 2B.....lb. .25 - .30
415 Direct orange R.....lb. .60 - .70
419 Direct fast red F.....lb. .75 - .85
420 Direct brown M.....lb. 1.00 - 1.10
448 Benzo purpurin 4B....lb. .40 - .42½
495 Benzo purpurin 10B....lb. .40 - .50
502 Direct azurin G.....lb. .75 - .80
512 Direct blue RD.....lb. .80 - 1.00
518 Direct pure blue 6B...lb. 1.10 - 1.25
520 Direct pure blue.....lb. .50 - 1.00
529 Direct fast black FF..lb. .55 - 1.00
581 Direct black EW.....lb. .25 - .50
582 Direct black RX.....lb. .35 - .45
593 Direct green B.....lb. .75 - .80
594 Direct green G.....lb. 1.00 - 1.05
596 Direct brown 3GO.....lb. .35 - 1.00
620 Direct yellow R.....lb. 1.25 - 1.50
698 Acid violet.....lb. 1.00 - 3.00
812 Primulin .....lb. .50 - .52
814 Direct fast yellow.....lb. 2.00 - 2.25
845 Nigrosin(water soluble).lb. .35 - .50
1177 Indigo, 20 p. c. paste..lb. .15 - .18
Benzo fast black L....lb. .90 - 1.00
Sulphur black.....lb. .20 - .25
Sulphur blue.....lb. .40 - 1.00
Sulphur brown.....lb. .25 - .50
Sulphur maroon.....lb. .40 - —
Sulphur olive.....lb. .25 - .54
Sulphur tan.....lb. .30 - .50
Sulphur yellow.....lb. .30 - .50
Zambesi black.....lb. .75 - .80
Dyes, coaltar, for stains (numbers are those of Colour Index scale):—
Oil-soluble (prices in barrels of 100 lbs.; lots of 25 pounds to a barrel are 5c. per lb. higher; f.o.b. sellers' works or warehouse)
Black:—
865 Nigrosin derivatives.lb. .42 - —
Blue:—
1075 Alizarin astrol base.lb.15.00 - —
1078 Alizarin cyanin green base..lb. 6.00 - —
729 Victoria blue.....lb. .75 - —
Browns:—
Brown .....lb. 1.15 - —
Green:—
1078 Alizarin cyanin green.lb. 5.00 - —
.... Green .....lb. .75 - —
Orange:—
24 Sudan I.....lb. .70 - —
.... Orange, red shade..lb. .75 - —
Red:—
73 Sudan II.....lb. 1.05 - —
258 Sudan IV.....lb. .95 - —
749 Rhodamine B (oil pink) lb. 2.50 - —
1080 Anthroquinone violet base..lb. 6.00 - —
680 Oil violet.....lb. .50 - —
Yellow:—
15 Amidoazobenezene yellow..lb. .90 - —
17 Amidoazotoluene yellow. lb. .75 - —
61 Yellow OB.....lb. 1.40 - —
Spirit-soluble (prices in barrels of 250 lbs. each; lots of 25 lbs. to a barrel, 5c. per lb. higher; f.o.b. sellers' works or warehouse).
Black:—
864 Nigrosin .....lb. .40 - —
Blue:—
729 Victoria blue.....lb. 2.55 - —
869 Indulin .....lb. .70 - —
Brown:—
381 Bismarck brown.....lb. 1.50 - —
Green:—
637 Malachite green base.lb. 2.00 - —

Chlorine—Ethyl Iodide

Dyes, coaltar, for stains (numbers are those of Colour Index scale):—
Orange:—
20 Chrysoidin Y.....lb. .95 - —
21 Chrysoidin R.....lb. .95 - —
Red:—
677 Fuchsin, magenta base. lb. 7.25 - —
749 Rhodamine B.....lb. 4.75 - —
Yellow:—
67 Amidoazotoluene yellow..lb. .75 - —
655 Auramine .....lb. 2.00 - —
800 Chinolin yellow SS..lb. 2.00 - —
Violet:—
680 Methyl violet.....lb. .70 - —
Water-soluble (prices in barrels of 250 lbs each; lots of 25 lbs. to a barrel, 5c. per lb. higher; f.o.b. sellers' works or warehouse).
Black:—
246 Naphthol blue black S, lb. .50 - —
865 Nigrosin .....lb. .36 - —
873 Methylene gray.....lb. 1.50 - —
Blue:—
714 Patent blue A.....lb. 1.45 - —
729 Victoria blue B.....lb. 3.00 - —
861 Indulin .....lb. .87 - —
909 New blue R.....lb. 1.30 - —
922 Methylene blue.....lb. 1.00 - —
1054 Alizarin saphirol B..lb. 1.90 - —
1180 Indigotin IA.....lb. .85 - —
Brown:—
234 Resorcin brown Y...lb. .65 - —
235 Resorcin dark brown R lb. .66 - —
281 Bismarck brown G..lb. .52 - —
332 Bismarck brown R..lb. .37 - —
793 Phosphin .....lb. 4.65 - —
Green:—
5 Naphthol green B...lb. 1.00 - —
657 Malachite green....lb. 1.25 - —
662 Brilliant green.....lb. 2.00 - —
666 Guinea green B....lb. 1.15 - —
737 Wool green S.....lb. .58 - —
924 Methylene green B..lb. 1.55 - —
1078 Alizarin cyanin green. lb. 2.35 - —
Orange:—
10 Chrysoidin G.....lb. .40 - —
21 Chrysoidin R.....lb. .37 - —
27 Orange G.....lb. .50 - —
151 Orange Y.....lb. .30 - —
161 Orange R.....lb. .34 - —
Water-soluble:—
Red:—
81 Amidonaphthol red G. lb. .42 - —
87 Amidonaphthol red 6B. lb. .68 - —
79 Ponceau R.....lb. .48 - —
88 Fast red B.....lb. 1.05 - —
176 Fast red A.....lb. .54 - —
179 Azorubin .....lb. .52 - —
183 Crocein scarlet 3BX.lb. .60 - —
185 Cochineal red A....lb. .60 - —
Water soluble
Red:—
252 Brilliant crocein M..lb. .68 - —
677 Fuchsin .....lb. 2.10 - —
749 Rhodamine B.....lb. 3.50 - —
752 Rhodamine 6G.....lb. 4.50 - —
768 Eosin G.....lb. 1.50 - —
841 Safranin .....lb. 1.45 - —
Water-soluble:—
Violet:—
680 Methyl violet B.....lb. .75 - —
681 Crystal violet C.....lb. 1.75 - —
695 Acid violet 4BN.....lb. .88 - —
Yellow:—
10 Naphthol yellow S..lb. .88 - —
138 Metanil yellow.....lb. .53 - —
626 Fast light yellow....lb. 1.25 - —
879 Xylene light yellow..lb. 1.15 - —
640 Tartrazin .....lb. .60 - —
655 Auramine .....lb. 1.27 - —
Dyes, natural (see name of article).

E

Echinacea root, bls .....lb. .20 - .21
Egg albumen (see Albumen).
yolk, bbls.....lb. .62 - .64
Elder flowers, bright, bls.....lb. .20 - .22
Elecampane root, bls.....lb. .10 - .11
Elm bark, grinding, bls.....lb. .10 - .11
powd., bbls., bxs.....lb. .20 - .21
select, bndls. .....lb. .25 - .30
Emetine hydrochloride, bots..oz.13.50 -14.00
Ephedra, bls .....lb. .25 - —
Ephedrine, tins, 1,000 ozs....oz. 2.50 - —
tins, 100 ozs. .....oz. 2.65 - —
Hydrochloride, tins, 1,000 oz. 1.75 - —
tins, 100 ozs. .....lb. 1.90 - —
Sulphate, cryst., 1,000 ozs...oz. 1.75 - —
tins, 100 ozs. .....lb. 1.90 - —
Epsom salt, tech., bgs....100 lbs. 1.85 - —
bbls. .....100 lbs. 1.90 - —
USP, cryst., dom., bgs., c.l., 100 lbs. 2.00 - —
l.c.l., 5,000 lbs., 1 withdrawal..lb. 2.25 - —
smaller lots.....lb. 2.50 - —
bbls., c.l.....lb. 2.10 - —
l.c.l., 5,000 lbs., 1 withdrawal..lb. 2.35 - —
smaller lots.....lb. 2.60 - —
kgs., c.l.....lb. 2.35 - —
l.c.l., 5,000 lbs., 1 withdrawal..lb. 2.60 - —
smaller lots.....lb. 2.85 - —
dried, dom., bgs., l.c.l...lb. .08 - .10
Ergot, USP, cs., dms.....lb. 1.70 - 1.75
Eserine, bots.....oz.42.00 - —
Salicylate, bots.....oz.33.00 -34.00
Sulphate, bots.....oz.30.00 - —
Ether, acetic (see Ethyl acetate)
Butyl, dms., l.c.l., dlvd.....lb. .30 - —
Ethyl (see Ether, sulphuric).
Nitrous, conc., bots., 100 lbs., lb. .08 - —
Sulphuric, conc., dms., 120 lbs., lb. .09 - —
cns., 27 lbs.....lb. .14 - —
synth., dms., c.l., works..lb. .08 - —
l.c.l., works.....lb. .09 - —
USP, anesthesia, dms., 27 lbs., lb. .26 - —
USP, 1880, dms.....lb. .39 - .40
washed, dms.....lb. .37 - .38
Ethyl acetate, 85 p.c., dms., c.l., frt. alld..lb. .06½- —
l.c.l., frt. alld.....lb. .07 - —
tanks, frt. alld.....lb. .05½- —
99 p.c., dms., c.l., frt. alld., lb. .07¼- —
l.c.l., frt. alld.....lb. .07¾- —
tanks, frt. alld.....lb. .06¼- —
N. F., VI, 99%, dms., 400 lbs. lb. .08½- —
cns., 35 lbs.....lb. .13½- —
USP, VIII, 90%, dms., 400 lbs. lb. .07½- —
cns., 35 lbs.....lb. .12½- —
Acetoacetate, dms., c.l., works, lb. .27½- —
l.c.l., dms., works.....lb. .28 - —
Bromide, tech., dms.....lb. .50 - .55
Caproate, cns.....lb. 1.00 - —
Chloride, dms. .....lb. .18 - .20
Cinnamate, cns.....lb. 3.20 - 4.00
Crotonate, 55 and 110 gal. dms., dlvd..lb. .33 - —
5 and 10 gal. dms., dlvd..lb. .36 - —
Formate, cns., dms.....lb. .22 - .24
Iodide, bots.....lb. 5.01 - —

Ethyl Lactate—Hexalin

Ethyl, lactate, 55-gal. dms., works	lb.	.33½-	—
5-gal. dms., works	lb.	.37½-	—
Oxalate, dms., frt. alld	lb.	.25 -	—
Silicate, l.c.l., dms., works	lb.	.77 -	—
Ethylcellulose, bgs., 500 lbs. or more, frt. alld	lb.	.6440-	—
100 lbs., frt. alld	lb.	.6930-	—
smaller lots, works	lb.	.7425-	—
Ethylene bromide, dms	lb.	.65 -	.70
Dichloride, dms., c.l., works, E. of Rockies, frt. alld	lb.	.0545-	.05½
West of Rockies, same basis	lb.	.0595-	.06
l.c.l., works, E. of Rockies, frt. alld	lb.	.0644-	.06½
West of Rockies, same basis	lb.	.0694-	.07
Ethyleneglycol, dms., c.l.	lb.	.16 -	—
l.c.l.	lb.	.17 -	.20
tanks		.15 -	—
Monobutylether, dms., c.l., works	lb.	.18 -	—
l.c.l., works	lb.	.19 -	.22
tanks, works		.17 -	—
Monoethylether, dms., c.l., works	lb.	.15 -	—
l.c.l., works	lb.	.16 -	—
tanks, works		.14 -	—
Monoethylether, acetate, dms., c.l., works	lb.	.13 -	—
l.c.l., dms	lb.	.14 -	—
tanks, works	lb.	.12 -	—
Monoethylether, dms., c.l., works	lb.	.17 -	—
l.c.l., works	lb.	.18 -	—
tanks, works	lb.	.16 -	—
Ethylidinanilin, dms	lb.	.45 -	.47½
Ethylmethyl ketone, dms., c.l., frt. pd. E. of Rocky Mts.,	lb.	.06½-	—
l.c.l., same terms	lb.	.07 -	—
tanks, same terms	lb.	.05½-	—
Ethylorthoparatoluenesulphonamide, bbls	lb.	.60 -	—
Eucalyptol, cns., dms	lb.	.55 -	.57
Eucalyptus leaves, bls		.08 -	.09
	bbls.	.55 -	—
Ethylparatoluenesulphonamide,			
Eugenol, bgs., cns	lb.	1.90 -	2.15
Euphorbia, bls	lb.	.05 -	.06

F

Feldspar, enamel, 100 mesh, bulk, works	ton.	14.00 -	17.50
glass, 20 mesh, bulk, works	ton.	9.75 -	13.25
pottery, bulk, Me. works	ton.	17.00 -	19.00
N.C. works		17.00 -	19.00
Fennel seed, French type, bgs.,	lb.	.07½-	.08
Indian, bags	lb.	.07½-	.07¾
German, large, bgs	lb.	.18 -	.19
small, bgs	lb.	.13 -	.14
Fenugreek seed, bgs	lb.	.03¾-	.04¼
Ferric sulphate, dms., works	ton.	35.00 -	40.00
Film scrap, colors, dark, cs., 1,000 lbs., or over, works	lb.	.12½-	—
smaller lots, works	lb.	.13 -	—
light, cs., 1,000 lbs. or over, works	lb.	.13½-	—
smaller lots, works	lb.	.14 -	—
water white, cs., 1,000 lbs., or over, works	lb.	.14½-	—
smaller lots, works	lb.	.15 -	—
Fir balsam, Canada, cns	gal.	13.00 -	14.00
Oregon, bbls	gal.	1.33 -	1.40
Fish berries, bgs	lb.	.08 -	.09
Fish scrap, menhaden, dried, 11-12% ammon., 15% bone phos., bulk, Chesapeake factories, contracts, futures	unit-ton.	3.25 &	.10
grd., 11-12% ammon., 15% bone phos., bgs., f.o.b. Balto	ton.	48.00 -	—
wet, acidulated, 6-7% ammon., 3-4% phosphor. acid, bulk, E. cst. factories, contracts	unit-ton.	2.75 &	.50
sardine, meal, Japanese, 11½% ammon., bgs., c.l.f. ports, shipt	ton.	43.00 -	44.00
Flake, white, bbls., kgs	lb.	.10¼-	—
Fleaseed, French, black, bgs	lb.	.11 -	.12
Indian, blonde, bgs	lb.	.08 -	.08½
Fluorspar, dom., No. 1 ground, bulk, 95-98%, f.o.b. mines,	ton.	31.50 -	—
Washed gravel, 85-5, f.o.b. Ill.-Ky. mines	ton.	19.00 -	20.00
No. 2, lump, 85.5 f.o.b. Ky. and Ill. mines	ton.	20.00 -	21.00
imported, 85% not over 5% duty paid	ton.	23.50 -	24.00
Formaldehyde, bbls., c.l., works,	lb.	.05¾-	—
l.c.l., works	lb.	.06¼-	—
dms., c.l., works	lb.	.05¼-	—
l.c.l., works	lb.	.05¾-	—
tanks, works	lb.	.04½-	—
Fringetree bark, bls	lb.	.12 -	.13
Fullers earth, dom., bgs., c.l., f.o.b. Fla., Ga., mines	ton.	10.00 -	—
import, bgs., c.l., ex dock	ton.	23.00 -	—
l.c.l., ex whse	ton.	30.00 -	—
Furfural, refd., c.l., works,	lb.	.15 -	—
l.c.l., works	lb.	.17½-	.25
tech., dms., contracts, 150,000 lbs.	lb.	.10 -	—
c.l., works	lb.	.12½-	—
l.c.l., works	lb.	.15 -	.20
tanks, works	lb.	.09 -	—
Fusel oil, refd., dms., incl., dlvd.,	lb.	.12½-	.14
Fustic extract, cryst., bbls	lb.	.22 -	.26
liquid, bbls	lb.	.09¼-	.13
solid, dms	lb.	.17½-	.19¼

G

G salt, bbls	lb.	.45 -	—
Galangal root, bls	lb.	.09 -	.10
Gall extract, bbls	lb.	.19 -	.20
Gambier, common, bgs	lb.	.06¾-	.07¾
plantation, bgs	lb.	.08¼-	.09¾
Cubes, Singapore, bgs	lb.	.10½-	.11
Extract, bbls	lb.	.06½-	.09½
Gasoline at refinery:—			
Bayonne, US motor, below 65 octane, tanks	gal.	.07¼-	—
65 octane and above, tanks,	gal.	.07½-	—
California, 54-58, tanks	gal.	.06¾-	.08¼
Gulf Coast, U. S. Motor, bulk,	gal.	.04¾-	—
60-62, 390 e.p., bulk, export,	gal.	.04¾-	—
60-62, 400 e.p., bulk, export,	gal.	.04¾-	—
64-66, 375 e.p., bulk, export,	gal.	.05 -	.05¼
Louisiana-Arkansas, US motor, 62 octane, tanks	gal.	.04¼-	.04½
63-66 octane, tanks	gal.	.04½-	.04¾
67-69 octane, tanks	gal.	.04¾-	.05
70-72 octane, tanks	gal.	.05½-	.05¾
Oklahoma-Texas, US motor, 62 octane and below, tanks	gal.	.04¼-	.04¼
third grade, tanks	gal.	.04½-	.04¼
63-68 octane, tanks	gal.	.04 -	—
67-69 octane, tanks	gal.	.04⅝-	—
Gasoline, at refy., Okla-Texas, 70-72 octane, tanks	gal.	.04⅞-	.05⅛
natural, 12-lb. v. p., tanks,	gal.	.03¼-	.03½
14-lb. v.p., tanks	gal.	.03⅜-	—
18-lb. v.p., tanks	gal.	.02⅝-	.02¾
22-lb. v.p., tanks	gal.	.02¾-	—
26-70 lb., v.p., tanks	gal.	.03 -	—
Pennsylvania, US motor, below 60 octane tanks	gal.	.05 -	—
65 octane, tanks	gal.	.06½-	—
52-56 450 e.p., naphtha, tanks	gal.	.04¾-	.05
Gelatin, silver, cs	lb.	.45 -	.50
Gelsemium root, bls	lb.	.11 -	.12
Gentian root, bls	lb.	.09 -	.10
grd., bbls., bxs	lb.	.12 -	.13
powd., bbls., bxs	lb.	.13 -	.14
Geraniol, cns., dms	lb.	.67 -	3.00
Geranyl acetate, bots., dms	lb.	1.20 -	2.50
Ginger root, African, bgs	lb.	.07¼-	.07⅜
Cochin, lemon, bgs	lb.	.10½-	.11
Jamaica, bold, bgs	lb.	.15 -	.15½
grinding, bright, bgs	lb.	.11⅛-	.11½
medium, bold, bgs	lb.	.11⅜-	.12
Japanese, bgs	lb.	.09 -	.09½
Ginseng fibers, cs	lb.	1.75 -	3.00
Root, cultivated, cs	lb.	10.00 -	11.00
wild, Southern, cs	lb.	6.00 -	7.00
Glauber's salt, anhyd. (see Soda sulphate).			
cryst., dom., bgs., bbls., c.l., works	100 lbs.	.95 -	1.15
5 tons or over, works	100 lbs.	1.05 -	1.25
less than 5 tons, works	100 lbs.	1.15 -	1.35
import., bgs	100 lbs.	1.05 -	1.35
Glue, bone, calcimine type, 24 millipoise, 36 jelly-grams, bgs., c.l., dlvd.	lb.	.13 -	—
l.c.l., dlvd.	lb.	.13½-	—
36/58, bgs., c.l., dlvd.	lb.	.13½-	—
l.c.l., dlvd	lb.	.14 -	—
58/82, bgs., c.l., dlvd.	lb.	.14½-	—
l.c.l., dlvd.	lb.	.15 -	—
82/108, bgs., c.l., dlvd.	lb.	.15 -	—
l.c.l., dlvd.	lb.	.15½-	—
hide, calcimine type, 53 millipoise, 135 jelly grams, bgs., c.l., dlvd., East, Middlewest	lb.	.15 -	—
l.c.l., same basis	lb.	.15½-	—
60/164, bgs., c.l., same basis.	lb.	.16½-	—
l.c.l., same basis	lb.	.17 -	—
67/122, bgs., c.l., same basis.	lb.	.17½-	—
l.c.l., same basis	lb.	.18 -	—
75/222, bgs., c.l., same basis,	lb.	.18½-	—
l.c.l., same basis	lb.	.19½-	—
83/251,bgs.,c.l.,same basis.	lb.	.19½-	—
l.c.l., same basis	lb.	.20½-	—
92/283,bgs.,c.l.,same basis.	lb.	.20½-	—
l.c.l., same basis	lb.	.21½-	—
102/315, bgs., c.l., same basis	lb.	.21 -	—
l.c.l., same basis	lb.	.22 -	—
113/347, bgs., c.l., same basis	lb.	.22 -	—
l.c.l., same basis	lb.	.23 -	—
125/379, bgs., c.l., same basis	lb.	.23 -	—
l.c.l., same basis	lb.	.24 -	—

Glue prices for barrel packing, ½c. lb. higher, grinding charge, 20-40 mesh, ½c. lb.; 60 mesh, 1c. lb.

Glycerin, C.P., cns., l.c.l.	lb.	.16¼-	.16¾
dms., c.l.	lb.	.14¼-	—
l.c.l.,	lb.	.14¾-	—
tanks	lb.	.14 -	—
dynamite, dms, c.l.	lb.	.12¾-	—
l.c.l.	lb.	.13¼-	—
tanks	lb.	.12¼-	—
heavy gravity dms., c.l.	lb.	.13¾-	—
l.c.l	lb.	.14¼-	—
tanks	lb.	.13½-	—
saponification, basis 88%, dms., returnable, dlvd.	lb.	.09½-	.09¾
soaplye, basis 80%, dms., returnable, dlvd.	lb.	.08¼-	.08¾
Glycol boriborate, dms	lb.	.28 -	—
Phthalate, dms.	lb.	.38 -	—
Stearate, dms.	lb.	.25 -	—
Gold, U.S. purchase price	oz.	35.00 -	—
Chloride acid brown, bots.	oz.	20.75 -	21.00
yellow, bots.	oz.	18.75 -	19.00
Gold-soda chloride, photo., bots.,	oz.	13.00 -	—
U.S.P. IX, bots	oz.	14.50 -	14.75
Gold of pleasure seed, bgs.	lb.	.12 -	.12½
Goldenseal root, bls	lb.	3.20 -	3.25
powd., bxs	lb.	3.35 -	3.40
Grains of paradise, bgs	lb.	.23 -	.23½
Graphite, flake (cryst.), 90% 325 mesh, 50% graphitic carbon, bgs., c.l., works	lb.	.06 -	—
bbls., c.l., works	lb.	.06¼-	—
l.c.l., works	lb.	.06½-	—
powd., 90% 325 mesh, 65% graphitic carbon, bgs., c.l., works	lb.	.02½-	—
bbls., c.l., works	lb.	.02¾-	—
l.c.l., works	lb.	.03¼-	—
80% graphitic carbon, bgs., c.l., works	lb.	.03½-	—
bbls., c.l., works	lb.	.03¾-	—
l.c.l., works	lb.	.04¼-	—
Grease, house, trcs	lb.	.05 -	.05¼
White, trcs.	lb.	.06 -	.06¼
Yellow, trcs.	lb.	.05 -	.05¼

Wool (see Adeps lanae and Degras).

Green, chrome, C.P., dark, light, medium, blue content up to 5%, bbls., dlvd. N. of Tenn. and N. C., E. of Miss. river, including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis	lb.	.21 -	—
6-10%, bbls., same basis.	lb.	.22 -	—
11-15%, bbls., same basis.	lb.	.23 -	—
16-20%, bbls., same basis.	lb.	.23½-	—
21-25%, bbls., same basis.	lb.	.24 -	—
26-30%, bbls., same basis.	lb.	.24½-	—
31-35%, bbls., same basis.	lb.	.25½-	—
36-40%, bbls., same basis.	lb.	.27 -	—
41-45%, bbls., same basis.	lb.	.28½-	—
46-50%, bbls., same basis.	lb.	.30 -	—
over 50%, bbls., same basis	lb.	.31 -	—

Chrome green prices are ½c. higher dlvd. Ala., Fla., Ga., La., (Shreveport, 1¼c.), Miss., N. C., S. C., Tenn., Texas (Dallas, Ft. Worth, 1¼c.; El Paso, 2c.), Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph; ½c. higher dlvd. Pac. coast; for Denver, Pueblo, Salt Lake City, Wichita, prices are equalized with Chicago.

reduced, C.P. color content up 5%, bbls., same basis.

	lb.	.06 -	—
6-10%, bbls., same basis.	lb.	.06¾-	—
11-13%, bbls., same basis.	lb.	.07¼-	—
14-16%, bbls., same basis.	lb.	.07½-	—
17-19%, bbls., same basis.	lb.	.07¾-	—
20-21%, bbls., same basis.	lb.	.08 -	—
22-23%, bbls., same basis.	lb.	.08¼-	—
24-25%, bbls., same basis.	lb.	.08½-	—
26-27%, bbls., same basis.	lb.	.08¾-	—
28-29%, bbls., same basis.	lb.	.09¼-	—
30-31%, bbls., same basis.	lb.	.10 -	—
32-33%, bbls., same basis.	lb.	.11¼-	—
34-35%, bbls., same basis.	lb.	.12¼-	—
36-40%, bbls., same basis.	lb.	.14¼-	—
41-45%, bbls., same basis.	lb.	.16¼	—
46-50%, bbls., same basis.	lb.	.16¾-	—
51-55%, bbls., same basis.	lb.	.17¼-	—
56-60%, bbls., same basis.	lb.	.17¾-	—
61-65%, bbls., same basis.	lb.	.18¼-	—
66-70%, bbls., same basis.	lb.	.19¼-	—
71-75%, bbls., same basis.	lb.	.20¼-	—
Green, chrome, oxide, dom., pure, bbl.		.22 -	—
ceramic, light shades, bbls., c.l., works	lb.	.28 -	—
l.c.l., works	lb.	.30 -	—
standard grade, bbls., works	lb.	.21 -	.22
Tetrahydroxide, bbls	lb.	.85 -	—
Paris (see P)			
Tungstated, brilliant, kgs	lb.	3.50 -	—
emerald, kgs	lb.	2.35 -	—
Verdigris (see V)			
Green dyes are listed under Dyes.			
Grindelia robusta, bls	lb.	.08 -	.09
Guaiac resin, cs	lb.	.27 -	.28
strained, cs.	lb.	.90 -	1.00
Wood, bls.	lb.	.04 -	.05
Guaiacol, liq., dms	lb.	1.55 -	1.70
Carbonate, fib. dms., 25 lbs.	lb.	2.40 -	2.74
Guarana, powd., cs.	lb.	1.05 -	1.10
Gum, aloe (see A).			
Ammoniac, tears., cs	lb.	.85 -	.90
Arabic, amber sorts, cleaned, bgs.	lb.	.09¼-	.09½
white, sorts, 1, bgs	lb.	.23 -	.24
2, bgs	lb.	.21 -	.22
powd., bbls	lb.	.12 -	.12½
Asafetida (see A).			
Asphaltum (see A).			
Benzoin Siam, cs	lb.	1.40 -	1.45
Sumatra, cs	lb.	.23 -	.25
Camphor (see C).			
Gum, chicle, prime, 33% moisture, bgs., ton lots	lb.	.28 -	.29

Copal, Congo 1, water white, transparent, bgs., c.l., ex dock or ex whse., N. Y. or San Fran. lb. .34¾- —

Gum, copal, dammar, elemi, kauri, mastic, sandarac, and yacca gums prices c.l. (30,000 lbs. min.) apply to assorted lots of gums as well as one grading; l.c.l. prices are ¼c. higher for 10 bgs. or over; ½c. higher for 1-9 bgs.

Copal, Congo 2, cloudy, white, bgs., c.l., same basis	lb.	.28¾-	—
3, selected pale straw bold, bgs., c.l., same basis	lb.	.18¼-	—
4, pale bold straw, bgs., c.l. same basis	lb.	.18¾-	—
5, pale straw bold, bgs., c.l. same basis	lb.	.14¾-	—
6, pale amber bold, bgs., c.l., same basis	lb.	.15¾-	—
7, pale, straw bold, bgs., c.l., same basis	lb.	.12¾-	—
8, light amber bold, bgs., c.l., same basis	lb.	.11¾-	—
9, medium light amber, bold, bgs., c.l., same basis	lb.	.09¾-	—
10, rescraped hard amber bold, bgs., c.l., same basis,	lb.	.09¾-	—
11, hard dark amber bold, bgs., c.l., same basis	lb.	.07½-	—
12, selected bold sorts, bgs., c.l., same basis	lb.	.06¾-	—
13, dark sorts bold, bgs., c.l., same basis	lb.	.05¾-	—
14, selected, fully scraped, ivory, bgs., c.l., same basis	lb.	.17¾-	—
15, ordinary ivory sorts, bgs., c.l., same basis	lb.	.06½-	—
16, inferior ivory sorts, bgs., c.l., same basis	lb.	.05¾-	—
17, pale, fingers, bgs., c.l., same basis	lb.	.15½-	—
18, pale straw nubs, bgs., c.l., same basis	lb.	.12¼-	—
19, pale straw nubs, bgs., c.l., same basis	lb.	.11¾	—
20, hard dark amber nubs, bgs., c.l., same basis	lb.	.08¾-	—
21, ordinary selected nubs, c.l., same basis	lb.	.07¼-	—
22, small mixed nubs, bgs., c.l., same basis	lb.	.06¾-	—
23, dark mixed nubs, bgs., c.l., same basis	lb.	.06¾-	—
24, No. 1, ivory nubs, bgs., c.l., same basis	lb.	.14¼-	—
25, No. 2, natural ivory nubs, bgs., c.l., same basis,	lb.	.07 -	—
26, pale, bold chips, bgs., c.l., same basis	lb.	.00¼-	—
27, pale small chips, bgs., c.l., same basis	lb.	.05½-	—
28, pale dust, bgs., c.l., same basis	lb.	.04⅜-	—
East India, Batu, bold scraped, bgs., c.l., same basis,	lb.	.05 -	—
unscraped, bgs., c.l., same basis	lb.	.04 -	—
chips, bgs., c.l., same basis,	lb.	.03¾-	—
dust, bgs., c.l., same basis	lb.	.03¼-	—
nubs and chips, bgs., c.l., same basis	lb.	.03¾-	—
black, bold, scraped, bgs., c.l., same basis	lb.	.06⅜-	—
unscraped, bgs., c.l., same basis	lb.	.04⅝-	—
nubs and chips, bgs., c.l., same basis	lb.	.04¾-	—
Hiroe, Macassar, pale, bold, bgs., c.l., same basis	lb.	.12¼-	—
chips, bgs., c.l., same basis	lb.	.05¾-	—
dust, bgs., c.l., same basis,	lb.	.03¼-	—
nubs, bgs., c.l., same basis	lb.	.10 -	—
Singapore, Rasak, bold, bgs., c.l., same basis	lb.	.14½-	—
chips, bgs., c.l., same basis,	lb.	.04¾-	—
dust, bgs., c.l., same basis	lb.	.03¼-	—
nubs, bgs., c.l., same basis	lb.	.10 -	—
Manila, Boeas, amber and dark, bskts., c.l., same basis	lb.	.11½-	—
light, bskts., c.l., same basis	lb.	.13¾-	—
Loba A, bskts., c.l., same basis	lb.	.12 -	—
B, bskts., c.l., same basis	lb.	.11 -	—
C, bskts., c.l., same basis	lb.	.10¼-	—
CNE, bskts., c.l., same basis	lb.	.06⅝-	—
D, bskts., c.l., same basis,	lb.	.09¾-	—
DK, bskts., c.l., same basis,	lb.	.06⅝-	—
DU, bskts., c.l., same basis,	lb.	.08⅜-	—
dust, bskts., c.l., same basis,	lb.	.05⅝-	—
Sambas and white split chips, bskts., c.l., same basis	lb.	.15 -	—
Singapore, dust., bskts., c.l., same basis	lb.	.06⅜-	—
spirit-soluble, CBB, bskts., c.l., same basis	lb.	.08¾-	—
DBB, bskts., c.l., same basis	lb.	.08 -	—
MA, bskts., c.l., same basis,	lb.	.06½-	—
MB, bskts., c.l., same basis,	lb.	.06 -	—
WS, bskts., c.l., same basis,	lb.	.08 -	—
Philippine, Manila, amber sorts, bskts., c.l., same basis	lb.	.06⅝-	—
chips, pale, bskts., c.l., same basis	lb.	.08½-	—
small, bskts., c.l., same basis	lb.	.07¼-	—
Gum, copal, Philippine Manila, extra pale sorts, bskts., c.l., same basis	lb.	.08¾-	—
nubs, bskts., c.l., same basis	lb.	.10¾-	—
pale, scraped, bskts., c.l., same basis	lb.	.11¾-	—
seeds and dust, bskts., c.l., same basis	lb.	.05¾-	—
Pontianak, bold, genuine, bgs., same basis	lb.	.16½-	—
mixed, bgs., c.l., same basis	lb.	.14 -	—
chips, bgs., c.l., same basis,	lb.	.09¾-	—
split, bgs., c.l., same basis,	lb.	.13¾-	—
nubs, bgs., c.l., same basis,	lb.	.12¼-	—
Dammar, Batavia, A, cs, c.l., same basis as copal	lb.	.21¾-	—
A/D, cs., c.l., same basis	lb.	.16¾-	—
A/E, cs., c.l., same basis	lb.	.13¾-	—
B, cs., c.l., same basis	lb.	.20¼-	—
C, cs., c.l., same basis	lb.	.16¾-	—
D, cs., c.l., same basis	lb.	.13¾-	—
dust., cs., c.l., same basis	lb.	.06 -	—
E, cs., c.l., same basis	lb.	.07¾-	—
F, cs., c.l., same basis	lb.	.07¼-	—
Singapore 1, cs., c.l., same basis	lb.	.17 -	—
2, cs., c.l., same basis	lb.	.11¼-	—
3, cs., c.l., same basis	lb.	.05½-	—
chips, cs., c.l., same basis,	lb.	.11¾-	—
dust., cs., c.l., same basis,	lb.	.05¼-	—
seeds, cs., c.l., same basis,	lb.	.08¼-	—
Elemi, cns., c.l., same basis as copal	lb.	.08½-	—
Ester, dms., dlvd., New England, N. J., eastern N. Y. and Pa., Del., and Md., 75,000 lbs., contrs. or single shipt., 10,000 lbs.,	lb.	.06¾-	.07
less than 10,000 lbs., same basis	lb.	.07 -	.07½
dlvd., western N. Y. and Pa., Ohio, Mich., Ind., Ill., Wis., Minn., Iowa, Mo., Ky., Va., W. Va., and N. C., 75,000 lbs., contrs. or stright c.l.,	lb.	.07¼-	.07½
l.c.l., same basis	lb.	.07½-	.08
dlvd., elsewhere, 75,000 lbs., contrs. or straight, c.l.	lb.	.07½-	.08
l.c.l., same basis	lb.	.07¾-	.08¼
Euphorbium, cs	lb.	.17 -	.18
Galbanum, cs	lb.	.90 -	.95
Gamboge, pipe, cs	lb.	.65 -	.70
powd., bbls	lb.	.70 -	.75
Ghatti, soluble, bgs	lb.	.11 -	.15
superior, bgs	lb.	.09 -	.11
Guaiac (see Guaiac resin).			
Karava, bbls., bxs., dms	lb.	.14½-	.23
Kauri, brown, XXX, cs., c.l.,	lb.	.60 -	—
BX, cs., c.l., same basis	lb.	.38 -	—
B1, cs., c.l., same basis	lb.	.28 -	—
B2, cs., c.l., same basis	lb.	.24 -	—
B3, cs., c.l., same basis	lb.	.18½-	—
80% chips, cs., c.l., same basis	lb.	.12¼-	—
pale, XXX, cs., c.l., same basis	lb.	.61 -	—
1, cs., c.l., same basis	lb.	.41 -	—
2, cs., c.l., same basis	lb.	.24 -	—
3, cs., c.l., same basis	lb.	.17¾-	—
Kino, tins	lb.	2.50 -	2.75
Mastic, cs., c.l., same basis as copal	lb.	.55 -	.56
Myrrh, USP, cs	lb.	.35 -	.36
Olibanum, siftings, bls	lb.	.07½-	.18
tears, cs	lb.	.18 -	.24
Opium (see O)			
Rosin (see R)			
Sandarac, cks., c.l., same basis as copal	lb.	.25 -	.26
Scammony, cs	lb.	1.10 -	1.15
Senegal, picked, bgs	lb.	.25 -	.27
sorts, bgs	lb.	.09¼-	.09½
Talha, bgs	lb.	.07½-	.08
Thus, bbls	280 lbs.	14.00 -	14.25
Tragacanth, Alleppo 1, cs	lb.	2.65 -	2.70
2, cs	lb.	2.35 -	2.40
3, cs	lb.	2.30 -	2.35
4, cs	lb.	2.25 -	2.30
5, cs	lb.	2.20 -	2.25
Flake, bgs	lb.	.50 -	1.00
Yacca, bgs., c.l., same basis as copal	lb.	.03½-	—
powd., bgs., c.l., same basis	lb.	.04½-	—
Gypsum, Keene's cement, paper bgs., c.l., f.o.b. Acme, Tex., frt. equald.	ton.	21.15 -	—
Medicine Lodge, Kans., frt. equald.	ton.	17.00 -	—
New Brighton, N. Y., frt. equald.	ton.	27.15 -	—
Southard, Okla., frt. equald.	ton.	17.00 -	—
Sweetwater, Tex., frt. equald.	ton.	21.15 -	—
plaster of paris, paper bgs., c.l., f.o.b. Acme, Tex., frt. equald.	ton.	12.50 -	—
Blue Rapids, Kans., frt. equald.	ton.	12.50 -	—
New Brighton, N. Y., frt. equald.	ton.	15.70 -	—
Brighton, N. Y., frt. equald.	ton.	15.70 -	—
Southard, Okla., frt. equald.	ton.	12.50 -	—
Sweetwater, Tex., frt. equald.	ton.	12.50 -	—
stucco, paper bgs., c.l., f.o.b. Acme, Texas; Blue Rapids, Kans.; Fort Dodge, Ia.; Grand Rapids, Mich.; Gypsum, O.; New Brighton, N. Y.; Plasterco, Va.; Southard, Okla.; Sweetwater, Tex., frt. equald.	ton.	8.00 -	—
Terra alba, dom., paper bgs., c.l., f.o.b. New Brighton, N. Y.; Southard, Okla., frt. equald.	ton.	12.00 -	—
import, bgs., ex dock	ton.	27.50 -	—

H

Heliotropin, cryst., cns	lb.	1.80 -	2.20
Hellebore, white, root, powd., bbls.	lb.	.12 -	.13
Helonias root, bls	lb.	.55 -	.60
Hematine crystals, bbls	lb.	.18 -	.28
Hemlock bark extract, 25% tan, c.l., bbls., works	lb.	.03 -	—
l.c.l., bbls., works	lb.	.03¼-	—
tanks, works	lb.	.02⅝-	—
Hempseed, Manchur, bgs	lb.	.05¾-	.06
Henbane leaves, bls	lb.	.15 -	.16
Henna leaves, bls	lb.	.07½-	.08
powd., bbls., bxs	lb.	.10 -	.11
Heptane, mixed, 77-115°C., dms., c.l., Group 3	gal.	.11 -	—
l.c.l., Group 3	gal.	.16 -	—
tanks, Group 3	gal.	.08½-	—
normal, 86-100°, dms., c.l., Group 3	gal.	.11½-	—
l.c.l., Group 3	gal.	.17 -	—
tanks, Group 3	gal.	.09½-	—
Hexalin, dms	lb.	.30 -	—

Hexane, normal, 60-70° C., dms., c.l., Group 3..gal. .12½- —
l.c.l., Group 3.....gal. .17 - —
tanks, Group 3.....gal. .10½- —
laboratory grade, dms., c.l., Group 3..gal. .14 - —
l.c.l., Group 3.....gal. .25 - —
Hexamethylenetetramine, tech., dms., 1,500 lbs. or more shipments, f.o.b. Perth Amboy or N. Y. C..lb. .35 - —
150 to 1,350 lbs. shipments, same basis..lb. .36 - —
USP, dms., 500 lbs., or more, shipments, same basis, lb. .46 - —
100 to 400 lbs., shipments, same basis..lb. .47 - —
Hexyl acetate, secondary, dms., c.l., frt. pd. E. of Rocky Mts..lb. .13 - —
l.c.l., same terms.....lb. .13½- —
tanks, same terms.....lb. .12 - —
Homatropine hydrobromide, bots., 50 ozs..oz.13.00 - —
25 ozs.....oz.13.50 - —
Hoofmeal, 17-18% ammon., bulk, f.o.b. Chicago..unit-ton. 2.35 - —
Hops, N. F., bls.....lb. .17 - .27
Horehound, bls.....lb. .10 - .11
Hydrangea root, bls.....lb. .09 - .10
Hydrastine, bots., 4 ozs.....oz.17.25 - —
cns., 16 ozs.....oz.17.00 - —
Hydrochloride, bots., 4 ozs...oz.17.25 - —
cns., 16 oz.....oz.17.00 - —
Sulphate, bots., 4 ozs.....oz.19.25 - —
cns., 16 oz.....oz.19.00 - —
Hydrastis (see Golden seal).
Hydrofuramide, dms., 100 lbs. or more, works..lb. .30 - —
fib. ctns., works.....lb. .40 - —
Hydrogen peroxide, USP, bbls.lb. .03¾- .04
100 vols., cbys., E.ofMiss.R.lb. .20 - —
Hydroquinone, dealers, bbls., dms..lb. .90 - .94
Hydroxycitronellal, cns.....lb. 2.00 - 2.50
Hyoscine hydrobromide, bots..oz.18.00 -19.00
Hyoscyamine, bots.....oz.15.00 - —
Hydrobromide, bots.....oz.15.00 - —
Sulphate, bots.....oz.15.00 - —
Hypernic, liq., 51°, bbls.....lb. .16 - .21
solid, bxs.....lb. .18½- .20½

I

Iceland moss, bls.....lb. .12 - .13
Ichthyol, bots.....lb. 4.00 - 4.25
Indian red (see Red, Indian).
Indigo, nat., Madras, cs.....lb. 1.63 - 1.67
synth., liq., bbls.....lb. .16½- .19
powd., bbls.....lb. .74½- .85
Indel, CP, bots.....lb.32.00 -34.00
Insect flowers (see Pyrethrum).
Iodine, crude, jars, 25 lbs.....lb. 1.30 - —
kgs., 150 lbs.....lb. 1.07 - —
less 5%, kgs., 150 lbs..lb. 1.07 - —
resubl., bots., 5 lbs.....lb. 1.85 - —
jars, 50 lbs.....lb. 1.75 - —
tincture, USP, bbls., 47 gals., gal. 1.55 - —
cbys., 5 gals.....gal. 1.60 - 1.65
mild, bbls., 47 gals.....gal. .80 - —
cbys., 5 gals.....gal. .85 - .90
Iodoform, dms., 100 lbs.....lb. 3.95 - —
jars, 25 lbs.....lb. 4.05 - —
Ionone, bots.....lb. 1.30 - 4.05
Ipecac root, bgs.....lb. 1.00 - 1.05
powd., bxs.....lb. 1.10 - 1.15
Irish moss, ordinary, bls.....lb. .10 - .11
powd., 80-90 mesh, bbls...lb. .20 - .22
prime, bleached, bls.....lb. .18 - .20
Iron acetate, N. F. IV, cbys., 100 lbs..lb. .15 - —
djns., 50 lbs.....lb. .16 - —
liquor, bbls., c.l., dlvd....lb. .03 - —
l.c.l., dlvd.....lb. .04 - —
Chloride (ferric), tech., anhyd., 390-lb. dms..100 lbs. 4.65 - 6.25
150-lb. dms .....100 lbs. 5.00 - 6.60
cryst., bbls., works, frt. alld. or equld..lb. .05 - .06
kegs, works, frt. alld. or equld..lb. .07½- .08
liquor, cbys., works, frt. alld. or equld..lb. .05 - .06
USP X, cryst., bbls.....lb. .07½- —
kegs .....lb. .08½- —
USP solut., cbys., works, frt. alld. or equld..lb. .06½- .07
djns .....lb. .07½- —
Citrate, USP VIII, pearls, cns., lb. .72 - .75
powd., cns.....lb. .84 - .87
scales, cns.....lb. .77 - .80
Glycerophosphate, bbls., kgs., 1,000 lb. lots..lb. 2.87 - —
smaller lots.....lb. 2.97 - —
cns., 25 lbs.....lb. 3.09 - —
Hypophosphite, cns.....lb. 1.55 - 1.60
Iodide, bots.....lb. 2.99 - —
syrup, djns.....lb. .37 - .38
bots .....lb. .52 - —
Nitrate, coml., kgs.....lb. .02¾- .08
Oxalate, powd., kgs.....lb. .47 - —
cns. .....lb. .52 - —
scales, cns.....lb. .83 - .85
Oxide (see Black, Red, etc.).
Phosphate, ferric, pearls, cns., 50 lbs..lb. .54 - —
25 lbs.....lb. .57 - —
scales, cns., 50 lbs.....lb. .59 - —
25 lbs.....lb. .62 - —
Ferrous, bbls., 200 lbs.....lb. .35 - —
bxs., 25 lbs.....lb. .40 - —
kgs., 100 lbs.....lb. .37 - —
Pyrophosphate, pearls, cns..lb. .59 - .62
scales, cns.....lb. .64 - .67
Reduced, 90%, cs.....lb. .60 - .66
Sulphate, tech. (see Copperas and ferric sulphate), USP, cryst., bbls., 275 lbs. lb. .04½- —
dms., 100 lbs.....lb. .06½- —
Iron-ammonia citrate, brown, gran., cns..lb. .37 - .40
pearls, cns.....lb. .37 - .40
scales, cns.....lb. .47 - .50
green, gran., cns.....lb. .37 - .40
pearls, cns.....lb. .37 - .40
scales, cns.....lb. .47 - .50
Oxalate, bxs.....lb. .30 - —
fib., dms.....lb. .23½- —
kgs. .....lb. .25½- —
Iron-potash oxalate, bbls.....lb. .42 - —
kgs. .....lb. .44 - —
jars .....lb. .48 - —
Iron-soda oxalate, bxs.....lb. .30 - —
fib., dms.....lb. .23½- —
kgs. .....lb. .25½- —
Isobutyl carbinol (see Carbinol).
Isopentane, dms., works.....lb. .48 - —
small lots, works.....lb. .50 - —
Isopropanol (see Alcohol, isopropyl).
Isopropyl acetate, dms., c.l., frt. pd. E. of Rocky Mts..lb. .06½- —
l.c.l., same terms.....lb. .07 - —
tanks, same terms.....lb. .05½- —
Isopropyl alcohol (see Alcohol).
Ether, dms., c.l., works, frt. alld. E. of Miss R..lb. .07 - —
l.c.l. .....lb. .08 - —
tanks .....lb. .06 - —

J

Jaborandi leaves, bls.....lb. .10 - .11
Jalap root, NF, bls.....lb. .16 - .17
powd., bbls., bxs.....lb. .20 - .21
Juniper berries, bgs.....lb. .03¾- .04

K

Kamala, tins .....lb. .32 - .33
Kava kava root, bls.....lb. .15 - .16
Kerosene, at refinery:—
Bayonne,41-43 w.w., tanks.gal. .05¾- —
Gulf ports, p.w., bulk, export, gal. .03¾- —
w.w., bulk..gal. .03¾- .04
Louisiana - Arkansas, 41-43 w.w., bulk..gal. .04¾- .04½
Oklahoma-Texas, 41-43 w.w., tanks..gal. .04 - .04¾
42-44 w.w., tanks.....gal. .04½- .04½
Pennsylvania, 45 w.w., tanks, gal. .04¾- —
46 w.w., tanks.....gal. .05 - —
47 w.w., tanks.....gal. .05½- —
Kerosene, tankwagon:—
Atlanta .....gal. .14 - —
Boston .....gal. .08½- —
Chicago .....gal. .10½- —
Cincinnati .....gal. .13 - —
Denver .....gal. .11½- —
Louisville .....gal. .10½- —
Minneapolis .....gal. .100 - —
New Orleans .....gal. .12 - —
New York .....gal. .08¾- —
San Francisco .....gal. .11½- —
Kerosene distillate (see Oil, furnace).
Kieserite, calc., 96-98% $MgSO_4$ bgs., c.l., ex vessel Atlantic, Gulf ports, duty pd..ton. No prices
Kola nuts, bgs.....lb. .07½- .08

L

Lady slipper root, bls.....lb. .55 - .60
Lanolin (see Adeps lanae).
Lard, city, tubs.....100 lbs. 9.25 - 9.50
Middlewestern, trcs....100 lbs. 9.40 - 9.50
Neutral, trcs. .....100 lbs.10.00 -10.25
Western, choice, trcs..100 lbs. 9.50 - 9.60
Compound, trcs.....100 lbs.10.75 -11.00
Larkspur seed, bgs.....lb. .30 - .33
Laurel berries, bls.....lb. .09 - .10
Leaves, Ital., bls.....lb. .04¾- .04¾
Lavender flowers, ordinary, bls.lb. .35 - .40
select, bls. .....lb. .46 - .48
Lead acetate, white, broken, bbls..lb. .10 - —
cryst., bbls.....lb. .10 - —
gran., bbls.....lb. .10¾- —
powd., bbls.....lb. .10¾- —
Arsenate, bgs., dealers E. of Rockies..lb. .12½- —
W. of Rockies.....lb. .12½- —
l.c.l., bgs., dealers, E. of Rockies..lb. .13 - —
W. of Rockies.....lb. .12¾- —
Lead arsenate prices ars works or whse basis, frt. alld. to dest. in lots of 96 lbs. or over; no frt. or truck allowance for works or whse pick ups.
Blue, basic sulphate, bbls., c.l., dlvd, E..lb. .06 - —
dlvd. Ariz., Cal., Col., Idaho, Mont., Nev., N. M., Ore., Utah, Wash., Wyo. .....lb. .06¼- —
l.c.l., dlvd., E.....lb. .06¼- —
dlvd. Ariz., Cal., Col., Idaho, Mont., Nev., N. M., Ore., Utah, Wash., Wyo. .....lb. .06½- —
Carbonate (see Lead, white).
Chloride, pure, bots., 5 lbs..lb. .62 - —
fib. dms., 25 lbs.....lb. .49 - —
Iodide, N. F., V., powd., bots., 5 lbs..lb. 2.67 - —
jars .....lb. 2.55 - —
Linoleate, pale, precip., dms., lb. .19 - —
Metal (see daily quotations in market report).
Metallic, paste, 200-lb. cont., f.o.b. works..lb. .17½- —
5-lb. cont., f.o.b. works....lb. .20½- —
Nitrate, bbls.....lb. .10 - .13
Oleate, bbls.....lb. .18½- .20
Peroxide, cns., works.....lb. .46 - .47
Red, dry, 95% or less, Pb_3O_4, bbls., c.l. (20 tons), dlvd., Ala., Ariz., Ark., Colo., Fla., Ga., Idaho, La., Miss., Mont., Nev., N. Mex., Okla., Tex., Utah, Wyo., and E. of Cascade Mts. in Ore. and Wash..lb. .0765- —
other points.....lb. .0740- —
l.c.l., 5 tons, dlvd., Ala., Ark., Cal., Fla., Ga., La., Miss., Okla., Tex. and W. of Cascade Mts. in Ore. and Wash..lb. .08 - —
Ariz., Idaho, Nev., Utah and E. of Cascade Mts. in Ore. and Wash..lb. .08½- —
Colo., Mont., N. Mex., Wyo..lb. .08¼- —
other points ....lb. .07¾- —
smaller lots, dlvd., Ala., etc..lb. .08½- —
Ariz., etc. .....lb. .09 - —
Colo., etc. .....lb. .08¾- —
other points ....lb. .08¼- —
97%, Pb_3O_4, bbls., c.l. (20 tons), dlvd. Ala., etc. lb. .0790- —
other points .....lb. .0765- —
l.c.l., 5 tons, dlvd., Ala., etc..lb. .08¼- —
Ariz., etc. .....lb. .08¾- —
Colo., etc. .....lb. .08½- —
other points ....lb. .08¼- —
smaller lots dlvd., Ala., etc..lb. .08¾- —
Ariz., etc. .....lb. .09¼- —
Colo., etc. .....lb. .09 - —
other points ....lb. .08½- —
98%, Pb_3O_4, bbls., c.l. (20 tons), dlvd., Ala., etc..lb. .0815- —
other points ....lb. .0790- —
l.c.l., 5 tons, dlvd., Ala., etc..lb. .08½- —
Ariz., etc. .....lb. .09 - —
Colo., etc. .....lb. .08¾- —
other points ....lb. .08¼- —
smaller lots, dlvd. Ala., etc..lb. .09 - —
Ariz., etc. .....lb. .09¼- —
Colo., etc. .....lb. .09¼- —
other points ....lb. .08¾- —
in oil, 95% min., 100-lb. kgs., lb. .11¾- —
Resinate, fused, 16%, bbls...lb. .09½- —
pale, bbls.....lb. .11½- —
precip., bbls.....lb. .16½- —
Stearate, bbls.....lb. .22 - .25
Sulphate (see Lead, white, basic sulphate).
Titanate, bbls., c.l., f.o.b. works, frt. alld..lb. .11 - —
l.c.l., 5 tons, one delvy, dlvd., lb. .11¼- —
smaller lots .....lb. .11½- —
White, dry, basic carbonate, bbls., c.l., dlvd. Ariz., Cal., Colo., Idaho, Mont., Nev., N. Mex., Ore., Utah, Wash. and Wyo..lb. .07 - —
other points.....lb. .06¾- —
l.c.l.,dlvd.,Ariz., etc.lb. .07¼- —
other points.....lb. .07 - —
Lead, white, dry, basic sulphate, bbls., c.l., dlvd., Ariz., etc..lb. .06¼- —
other points .....lb. .06 - —
l.c.l., dlvd., Ariz., etc...lb. .06½- —
other points.....lb. .06¼- —
in oil, 100-lb. kgs., consumers, lb. .11¼- —
dealers .....lb. .09¾- —
painters .....lb. .10¼- —
Lecithin, 100%, cns., f.o.b., N. Y., or Chi....lb. 2.50 - —
edible, grade 1, dms., c.l., same basis..lb. .45 - —
l.c.l., same basis.....lb. .47½- .65
grades 2 or 3, dms., c.l., same basis..lb. .47½- —
l.c.l., same basis.....lb. .50 - .67½
grade 4, dms., c.l., same basis, lb. .50 - —
l.c.l., same basis.....lb. .52½- .70
purified, cs., dms., c.l., same basis..lb. .65 - —
l.c.l., same basis.....lb. .67½- .85
tech., grade 1, dms., c.l., same basis..lb. .35 - —
l.c.l., same basis.....lb. .37½- .55
grades 2 or 3, dms., c.l., same basis..lb. .37½- —
l.c.l., same basis.....lb. .40 - .57½
grade 4, dms., c.l., same basis, lb. .40 - —
l.c.l., same basis.....lb. .42½- .60

Lecithin prices quoted above are for goods packed in 25, 50, or 100-lb. dms. When goods are packed in 500-lb. dms. prices are 1c. per lb. less.

Lemon peel, bls.....lb. .09 - .10
Licorice extract, mass, cs.....lb. .17 - .18
powd., bbls.....lb. .24 - .25
Root, bls.....lb. .04½- .05
powd., bbls., bxs.....lb. .07 - .08
select, bndls., cs.....lb. .16 - .17
Lime, chemical (quicklime), lump or pebble, bulk, f.o.b. Bellefonte, Pa.....ton. 7.00 - —
Berkley, W. Va.....ton. 7.50 - —
California, northern..ton.11.80 - —
southern .....ton.11.45 - —
Cedar Hollow, Pa...ton. 8.50 - —
Chicago .....ton. 7.25 - —
Crab Orchard, Tenn.ton. 6.25 - —
Dallas, Texas.....ton. 8.50 - —
Durbin, Ohio.....ton. 6.50 - —
Eagle Mountain, Va.ton. 7.00 - —
Easton, La. .....ton. 8.00 - —
Farnams, Mass. ....ton. 8.00 - —
Gibsonburg, Ohio....ton. 7.00 - —
Hannibal, Mo.....ton. 6.50 - —
Keystone, Ala. .....ton. 7.00 - —
Knoxville, Tenn. ....ton. 6.25 - —
Leroy, Minn. .....ton. 8.00 - —
Limedale, Ark.....ton. 7.00 - —
Longview, Ala.....ton. 6.25 - —
Marble Cliff, Ohio...ton. 6.50 - —
Marblehead, Ohio....ton. 7.50 - —
Martinsburg, W. Va.ton. 7.00 - —
Menominee, Mich....ton. 8.00 - —
Mitchell, Ind.....ton. 6.50 - —
Newala, Ala.....ton. 6.25 - —
Potoskey, Mich.....ton. 8.00 - —
Port Island, Mich....ton. 7.50 - —
Ripplemead, Va. ....ton. 7.00 - —
Riverton, Va. .....ton. 7.00 - —
Scioto, Ohio.....ton. 6.00 - —
Sheboygan, Wis.....ton. 7.50 - —
Sherwood, Wis.....ton. 7.50 - —
Springfield, Mo.....ton. 7.00 - —
Woodville, Ohio....ton. 7.00 - —
hydrated, paper bgs., Bellefonte, Pa..ton. 8.50 - —
Berkley, W. Va.....ton. 9.00 - —
Buffalo .....ton.10.00 - —
California, northern..ton.15.30 - —
southern .....ton.13.95 - —
Cedar Hollow, Pa...ton. 8.00 - —
Chicago .....ton. 9.50 - —
Crab Orchard, Tenn.ton. 9.00 - —
Dallas, Tex.....ton.12.00 - —
Durbin, Ohio.....ton. 8.00 - —
Eagle Mountain, Va.ton. 9.00 - —
Easton, La. .....ton.10.00 - —
Farnams, Mass. ....ton. 9.50 - —
Gibsonburg, Ohio....ton. 8.50 - —
Hannibal, Mo.....ton. 8.50 - —
Keystone, Ala.....ton. 9.00 - —
Knoxville, Tenn.....ton. 9.00 - —
Limedale, Ark.....ton. 9.00 - —
Longview, Ala.....ton. 9.00 - —
Louisville, Ky.....ton.14.50 - —
Marble Cliff, Ohio...ton. 8.00 - —
Marblehead, Ohio....ton. 8.50 - —
Martinsburg, W. Va.ton. 8.50 - —
Milltown, Ind.....ton.12.50 - —
Mitchell, Ind.....ton. 9.00 - —
Newala, Ala.....ton. 9.00 - —
Pelham, Ala.....ton. 9.00 - —
Potoskey, Mich.....ton. 9.00 - —
Port Island, Mich....ton. 9.00 - —
Rapid City, S. D....ton.12.00 - —
Ripplemead, Va. ....ton. 9.00 - —
Riverton, Va. .....ton. 9.00 - —
Scioto, Ohio.....ton. 8.00 - —
Sherwood, Wis.....ton. 9.00 - —
Siluria, Ala.....ton. 9.00 - —
Springfield, Mo. .....ton. 9.00 - —
Woodville, Ohio.....ton. 8.50 - —
spray, paper bags., f.o.b. Bellefonte, Pa..ton. 9.50 - —
Durbin, Ohio .....ton. 9.00 - —
Farnams, Mass.....ton.10.00 - —
Gibsonberg, Ohio.....ton.11.00 - —
Marble Cliff, Ohio....ton.11.00 - —
Marblehead, Ohio....ton.11.00 - —
Mitchell, Ind.....ton. 9.50 - —
Scioto, Ohio .....ton. 9.00 - —
Sherwood, Wis.....ton. 9.50 - —
Woodville, Ohio.....ton.11.00 - —

Lime salts (see Calcium)
Lime-sulphur, dry, dealers, bgs., c.l., E. of and incl. N. Dak., S. Dak., Neb., Kan., Okla., Tex..lb. .07½- .08½
dms., same basis.....lb. .10½- —
400 lbs., or more, bgs., same basis..lb. .07¾- .08¾
dms., same basis.....lb. .11 - —
less than 400 lbs., same basis, lb. .08½- .08½
dms., same basis.....lb. .12 - —
solution, zone 1, dms., consumer, gal. .10 - —
Zone 2, tanks, dealers, wks., gal. .08½- —
30-50 dms.....gal. .11 - .15
Zone 3, tanks, dealers, dlvd., gal. .11¾- —
30-50 dms.....gal. .14 - .18
Zone 4, tanks, dealers, wks., gal. .08 - —
dms., c.l. and l.c.l....gal. .13 - .14
Zone 5, tanks, dealers, dlvd., gal. .10¾- —
c.l. and l.c.l.....gal. .13 - .14
Zone 6, tanks, dealers....gal. .07½- —
30-50 dms.....gal. .09 - .13

Prices for lime sulphur solution are f.o.b. warehouse points, freight allowed. Zone 1 includes Ga., S. C., Ala., N. C., except the counties of Ashe, Surry, Stokes, Rockingham and Alleghany; Tenn., east of Tenn. River. Zone 2: New England States. Zone 3: Ark., Ohio, Ind., Ill., Ia., Ky., Mich., Wis., Minn., Mo., and Tenn., west of Tenn. River; Penna., eastern tier, and W. Va., western tier. Zone 4: West of Rocky Mountains, except southern California, which makes up Zone 5. Zone 6: N. Y. east of Herkimer, N. J., Md., Del., Va., Pa.—all counties lying east of the western boundary of Bedford, Blair, Center, Clinton and Potter, W. Va.—counties of Mineral, Hampshire, Morgan, Berkeley, Jefferson, and Hardy, N. C.—counties of Ashe, Alleghany, Surry, Stokes, and Rockingham.

Linalool, cns.....lb. 2.10 - 6.30

Hexane—Manganese

Linalyl acetate, cns., 25 lbs...lb. 1.35 - 2.25
Linden flowers, with leaves, bls.lb. .19 - .20
without leaves, bls.....lb. .16 - .17
Linseed cake, bgs., export....ton.31.50 -31.75
Meal, 34%, dom., bgs.....ton.43.50 - —
Litharge, com'l, powd., bbls., 20-tons dlvd. Ala., Ariz., Ark., Colo., Fla., Ga., Idaho, La., Miss., Mont., Nev., N. Mex., Okla., Tex., Utah, Wyo., and E. of Cascade Mts. in Ore. and Wash..lb. .0665- —
dlvd., other points....lb. .0640- —
5 tons, dlvd., Ala., Ark., Cal., Fla., Ga., La., Miss., Okla., Tex. and W. of Cascade Mts. in Ore. and Wash.....lb. .07 - —
Ariz., Idaho, Nev., Utah, and E. of Cascade Mts. in Ore. and Wash..lb. .07½- —
Colo., Mont., N. Mex., Wyo..lb. .07 - —
other points .....lb. .06¾- —
smaller lots, dlvd., Ala., etc. lb. .07½- —
Ariz., etc. .....lb. .08 - —
Colo., etc. .....lb. .07¾- —
other points .....lb. .07¼- —
Lithium bromide, bbls., 100 lbs., works, frt. equal'd..lb. 1.90 - —
50 lbs., works.....lb. 1.93 - —
25 lbs., works.....lb. 1.95 - —
Carbonate, 250-lb., bbls.....lb. 1.25 - —
100-lb. kgs.....lb. 1.30 - —
Chloride, 25-lb. jars.....lb. 1.65 - 1.70
Citrate, 250-lb. bbls.....lb. 1.40 - —
25-lb. dms.....lb. 1.45 - —
100-lb. kgs.....lb. 1.40 - —
Iodide, 5-lb. bots.....lb. 4.85 - —
25-lb. jars.....lb. 4.70 - —
Fluoride, bbls. .....lb. 2.10 - 2.25
Lithopone, dom.,high-strength,bgs., 20 tons, dlvd., E. or ex whse, Pac. Cst.....lb. .05¾- —
smaller lots, same basis.lb. .05¾- —
bbls., 20 tons, same basis, lb. .05¾- —
smaller lots, same basis.lb. .06¼- —
ordinary, bgs., 20 tons, same basis..lb. .04½- —
smaller lots, same basis.lb. .04¾- —
bbls., 20 tons, same basis, lb. .04¾- —
smaller lots, same basis.lb. .04¾- —
titanated, bgs., 20 tons, same basis..lb. .05¾- —
smaller lots, same basis.lb. .05¾- —
bbls., 20 tons, same basis, lb. .05¾- —
smaller lots, same basis.lb. .06¼- —
Liverwort leaves, bls.....lb. .18 - .19
Lobelia herb, bls.....lb. .13 - .14
Seed, bgs. .....lb. .40 - .45
Logwood extract, cryst., bbls..lb. .18 - .24
liquid, 51°, bbls.....lb. .09½- .11½
solid, bxs. .....lb. .15 - .19
Lovage root, dom., bls.....lb. .55 - .65
import, bls. .....lb. .35 - .37
Lupulin, N.F., tins.....lb. 1.15 - 1.50
Lycopodium, cs. .....lb. 1.05 - 1.10

M

Mace, Banda, cs.....lb. .54 - .55
Batavia, cs. .....lb. .42 - .43
Siauw, 1, cs.....lb. .47 - .48
Madder, Dutch, bbls.....lb. .22 - .25
Magnesia arsenate, cyl.....lb. .18 - .20
Calcined, tech., USP, bbls., works..lb. .28 - —
Carbonate, tech., Zone 1, bgs., c.l..lb. .06¼- —
l.c.l. .....lb. .07 - —
bbls., c.l.....lb. .07¼- —
l.c.l. .....lb. .08 - —
kgs., c.l.....lb. .08¾- —
l.c.l. .....lb. .09¼- —
USP, Zone 1, bbls., c.l.....lb. .08¼- —
l.c.l. .....lb. .09 - —
kgs., c.l.....lb. .09¾- —
l.c.l. .....lb. .10¼- —

Magnesia:—Zone 1—Mass., Conn., R. I., N. Y., N. J., Pa., Del., and Md. Zone 2, balance of U. S. C.l., shipm'ts, full fr't alld. up to, but not exceeding 25c. per 100 lbs., actually paid by customers. On l.c.l. shipm'ts, frt. alld. including dlvd. store-door. Magnesia prices are f.o.b., Plymouth meeting house.

Chloride, flake, dom., bbls., works..ton.39.00 -42.00
Hypophosphite, cns., 100 lbs.lb. 1.45 - —
25 lbs. .....lb. 1.50 - —
Oxide (see Calcined).
Palmitate, bbls. .....lb. .83 Nom.
Peroxide, 15%, dms., works.lb. 1.00 - 1.35
Silicate (see Talc).
Silicofluoride, bbls.....lb. .09½- .10½
Stearate, bbls., ctns., c.l.....lb. .21 - —
1 ton .....lb. .22 - —
1,000-2,000 lbs. .....lb. .23 - —
smaller lots .....lb. .24 - —
Sulphate (see Epsom salt).
Magnesite, cal., dom., bgs....ton.56.00 -60.00
import, bbls.....ton.60.00 -65.00
dead-burned, dom., bulk, c.l., f.o.b. Chewelah, Wash....ton.25.00 - —
Magnesium hydroxide, medicinal, bbls., 200 lbs..lb. .29 - —
dms., 25 lbs.....lb. .34 - —
kgs., 100 lbs.....lb. .30 - —
Trisilicate, cs., 500-lb. lots..lb. .53 - —
100-lb. lots .....lb. .55 - —
cns., ...lb. .75 - .80
Malva flowers, black, bls.....lb. .45 - .47
blue, bls. .....lb. .45 - .50
Leaves, bls. .....lb. .11 - .12
Manaca root, bls. .....lb. .20 - .21
Mandrake root, bls.....lb. .10½- .11
Manganese acetate, dms.....lb. .26½- —
Arsenate, bgs. .....lb. .12 - .12½
Borate, tech., bbls.....lb. .15 - .16
Carbonate, bbls. .....lb. .19 - —
Chloride, bbls. .....lb. .07½- .07¾
Dioxide, Caucasian, 85-90%, bbls., c.l., works..ton.61.50 - —
l.c.l., 5 tons, works..ton.64.50 - —
smaller lots, works..ton.69.50 - —
burlap bgs., c.l., works.ton.59.50 - —
l.c.l., 5 tons, works..ton.62.50 - —
smaller lots, works.ton.67.50 - —
paper bgs , c.l., works.ton.57.50 - —
l.c.l., 5 tons, works.ton.60.50 - —
84-87% bgs., 28-40 tons, wks. ton.57.00 - —
5-15 tons, wks.....ton.60.00 - —
½-4 tons, wks.....ton.65.00 - —
300-600 lbs., wks....ton.75.00 - —
Glycerophosphate, bbls., kgs., 1,000-lb. lots ....lb. 2.01 - —
smaller lots .....lb. 2.71 - —
cns., 25 lbs. .....lb. 2.83 - —
solut., djns., 1,000-lb. lots, lb. .61 - —
smaller lots .....lb. .71 - —
cns., 25 lbs. .....lb. .81 - —
Hydrate, bbls., dlvd.....lb. .82 - —
Iodide, bots., 5 lbs.....lb. 5.45 - —
jars, 25 lbs. .....lb. 5.30 - —
Linoleate, liquid, 4%, dms...lb. .18 - .19½
solid, precip., 8.2%, bbls..lb. .19 - —
Ore, 50-52% basis, bbls., c.l., At. ports..unit-ton.45.00 -47.00
Resinate, fused, 3½%, bbls..lb. .08¼- .08½
precip., dms. .....lb. .12 - —

Manganese—Oil, Lub.

Manganese sulphate, anhyd., bbls., works..lb. .07 - .07½
cryst., 65% $MnSO_4$, bgs., c.l., dlvd. South..ton.48.75 - —
l.c.l., bgs. .....ton.55.75 - —
80-85%, bgs., c.l., works, frt. alld. to S.F.A. territory, unit-ton. .75 - —
l.c.l., 5 tons, works...lb. .03½- —
smaller lots, works..lb. .04 - —
Mangrove bark, bgs., shipt..ton.24.50 - —
Manna flake, large, cs.....lb. .40 - .41
small, cs.....lb. .22 - .23
Mannitol, reagent, pure cryst., cs., works..lb. 1.30 - —
commercial, cryst., bbl., ton lots..lb. .55 - —
smaller lots.....lb. .70 - —
Marble flour, bgs.....ton.12.00 -14.00
Marjoram, French, bbls.....lb. .16 - .16½
Tunisan, bls. .....lb. .15½- .16
Matico leaves, bls.....lb. .24 - .25
Menthol, USP, natural, cs....lb. 3.25 - 3.35
synthetic, tech., cs.....lb. 2.25 - —
USP, cs. .....lb. 3.00 - —
liquid, dms., 50 lbs.....lb. 1 25 - —
Menthyl salicylate, tins, 100-lb. lots..lb. 3.00 - —
25-lb. lots .....lb. 3.10 - —
Mercurial ointment, 30%, pails, 50 lbs. .....lb. .77 - —
25 lbs. .....lb. .79 - —
50%, pails, 50 lbs.....lb. 1.11 - —
25 lbs. .....lb. 1.13 - —
Mercury (see Quicksilver).
Bichloride (see Corrosive sublimate).
Bisulphate, bots., 5 lbs.....lb. 1.81 - —
fib., dms. 100 lbs.....lb. 1.68 - —
jars, 25 lbs .....lb. 1.70 - —
Chloride (see Calomel).
Iodide, red *N. F.*, bots., 5 lbs., lb. 3.55 - —
cns., 25 lbs. .....lb. 3.60 - —
fib., dms., 100 lbs.....lb. 3.60 - —
yellow, bots., 5 lbs.....lb. 3.30 - —
cns., 25 lbs. .....lb. 3.65 - —
fib., dms., 100 lbs.....lb. 3.65 - —
Nitrate ointment (see Citrine ointment).
Mercury, oxide red, N.F. (see red precipitate).
tech. (see Red, mercury oxide).
Yellow, dom., tech., bbl....lb. 1.21 - —
USP, fib dms., 50 lbs. or more..lb. 1.73 - —
Mercury and chalk, ctns., 5 lbs., lb. 1.22 - —
fib., dms., 25 lbs.....lb. 1.10 - 1.12
Mesityl oxide, cns., works.....lb. .25½- .27½
dms., c.l., works.....lb. .21 - —
l.c.l., works.....lb. .21½- —
tanks, works.....lb. .20 - —
Metal leaf, pkgs. of 20 books (500 leaves), aluminum, 5½x5½ in..pkg. 1.50 - 1.75
composition, 5½x5½in...pkg. 1.70 - 1.80
Gold, XX deep, 23K, 3⅜x3⅜ in..pkg.15.25 -15.75
3⅜x3⅜ in. .....pkg.16.15 -17.50
4x4 in. .....pkg.19.50 -20.00
3⅝x5½ in. .....pkg.22.50 -23.00
3⅝x5½ in... .....pkg.24.50 -25.00
Silver, 3⅜x3⅜ in.....pkg. 2.75 - 2.85
Metanitroaniline kgs.....lb. .67 Nom.
Metanitroparatoluidin, bbls.....lb. 1.45 —
Metaphenylenediamine, kgs.....lb. .65 - —
Metatoluylenediamine, kgs.....lb. .65 - —
Methanol, natural, denat. grade, tanks..gal. .25 - —
97% tanks.....gal. .32 - —
95%, tanks.....gal. .31 - —
Methyl acetone, tanks.....gal. .25 - —
Methanol in drums, car lots, is 5c. per gal. higher, frt. alld., east of the Rocky Mts. Prices on the Pacific Coast are 8c. higher on tanks and 10c per gal. higher on drums, car lots.
pure, synth., dms., c.l., Zone 1, frt. alld..gal. 38 - —
2, frt. alld.....gal. 41 - —
3, frt. alld.....gal. 42 - —
4, frt. alld.....gal. 44 - —
l.c.l., Zone 1, frt. alld. or dlvd..gal 40¼ -
zone 2, frt. alld. or dlvd., gal. .41 - —
3, frt. alld. or dlvd. gal 44½ - —
4, frt. alld. or dlvd. gal. 60 - —
tanks, Zone 1, frt. allid gal. 33 - —
2, frt. allid..... gal. 35¼ - —
3, frt. allid.....gal. .36½- —
4, frt. allid.....gal. .37 - —
Synthetic methanol sales zones are —Zone 1, Conn., Del., D. C., Ill., Ind., Iowa, Ky., Me., Md., Mass., Mich., Minn., Mo., N. H., N. J., N. Y., N. C., Ohio, Penn., R. I., Tenn., Vt., Va., W. Va., Wis.; Zone 2, Ala., Ark., Col. Fla., Ga., Kans., La., Miss., Neb., N. D., Okla., S. C., S. D., Tex., Wyo.; Zone 3 Los Angeles, Cal., San Francisco, Cal., Portland, Ore., and Seattle, Wash.; Zone 4, Ariz., Cal., N. Mex., Mont., Nev., Idaho, Ore., Utah, Wash.
Methyl acetate, 97-99%, dms., c.l., E. of Miss. R..lb. .08 - —
W. of Miss. R.....lb. .09 - —
l.c.l., dms., dlvd. E. of Miss. R..lb. .08½- —
W. of Miss. R.....lb. .09½- —
tanks, dlvd. E. of Miss R. lb. .07 - —
W. of Miss. R.....lb. .08 - —
tech., dms., c.l., dlvd. E. of Miss. R..lb. .07½- —
W. of Miss. R.....lb. .08½- —
l.c.l., dlvd. E. of Miss. R..lb. .08 - —
W. of Miss. R. .....lb. .09 - —
tanks, dlvd. E. of Miss. R., lb. .06½- —
W. of Miss. R. .....lb. .07½- —
Acetoacetate, dms., c.l., works, frt. alld..lb. .29½- —
Acetone, natural, tanks.....gal. .25 - —
Methyl acetone in drums, car lots, is 5c. per gal. higher, frt. alld., east of Rocky Mts. Prices on Pacific Coast are 3c. per gal. higher on tanks and 4c. per gal. higher on drums, car lots.
Synthetic, dms., c.l., Zone 1, frt. allid. E. of Rockies gal. .38 - —
2, frt. allid. E. of Rockies, gal. .41 - —
3, Pacific Coast.....gal. .42 - —
Zone 4.....gal. .44 - —
l.c.l., Zone 1, frt. allid. E. of Rockies..gal. .41 - —
2, frt., allid. E. of Rockies..gal. .475 - —
3, Pacific Coast.....gal. .45 - —
Zone 4.....gal. .605 - —
tanks Zone 1, frt. allid. E. of Rockies.....gal. .315 - —
2, ft. allid. E. of Rockies, gal. .34 - —
3, Pacific Coast.....gal. .35 - —
Zone 4.....gal. .355 - —
Methyl acetone, synthetic, sales zones are:—Zone 1, Conn., Dela., D. C., Ill., Ind., Iowa, Ky., Me., Md., Mass., Mich., Minn., Mo., N. H., N. J., N. Y., N. C., Ohio, Pa., R. I., Tenn., Vt., Va., West Va. and Wis.; Zone 2, Ala., Ark., Col., Fla., Ga., Kans., La., Miss., Neb., N. D., Okla., S. C. and S. D.; Zone 3, Pacific Coast; Zone 4, Ariz., Col., Mont., Nev., Idaho, Ore., Utah, Wash., N. Mex.

Methyl alcohol, (see Methanol)
Anthranilate, bots. .....lb. 2.10 - 2.30
Benzoate, cns., 25 lbs.....lb. .70 - 1.20
Bromide, cyl. .....lb. .60 - .75
Chloride, refrigeration, 500 lbs. and up, machine mfrs. and jobbers, cylinders.lb. .32 - —
service men and consumers, cyl..lb. .36 - —
60 to 499 lbs., cyl., mach. mfrs. and jobbers..lb. .36 - —
service men and consumers, cyl..lb. .40 - —
tanks, multi-unit, mach. mfrs. and jobbers..lb. .31 - —
service men and consumers, lb. .35 - —
Methyl chloride quotations are spot or contract, effective July 1, for delivery to any common carrier point in United States. Prices above are in 60, 90 and 130-lb. cylinders. Prices on the 20-lb. cylinders are uniformly 10c. per pound higher than above prices.
Cinnamate, bls. .....lb. 2.45 - 3.75
Formate, dms. .....lb. .35 - .36
Lactate, dms., l.c.l., dlvd..lb. .30 - —
Iodide, bots. .....lb. 3.68 - 3.83
Salicylate, dms. .....lb. .40 - .42
cns. .....lb. .42 - .45
Violet toner, bbls.....lb. .38 - —
permanent, bbls. .....lb. .80 - —
Methylbutyl ketone, dms., c.l., frt. pd. E. of Rocky Mts.lb. .11½- —
l.c.l., same terms.....lb. .12 - —
tanks, same terms.....lb. .10½- —
Methylene blue, medcl., kgs., 100 lbs..lb. 2.00 - —
cns., 5 lbs.....lb. 2.35 - —
Chloride, dms., f.o.b. works..lb. .18 - .22
Methylheptenone, bots.....lb. 2.45 - 3.00
Methylheptin carbonate, bots..lb.23.00 -44.00
Methylhexyl ketone, dms., tech., wks..lb. .60 - —
Methylisobutyl ketone, dms., 55-gal., c.l., works..gal. .76 - —
l.c.l., works.....gal. .80 - —
smaller containers, works.gal. 1.00 - —
tanks, works.....gal. .70 - —
Methylnaphtyl ketone, dom., cryst., bots..lb. 3.25 - 3.30
imp, bots.....lb. 3.10 - —
Methylpropyl carbinol (see Carbinol).
Ketone, dms., c.l.....lb. .16 - —
l.c.l. .....lb. .20 - —
tanks .....lb. .15 - —
Metronite pigment, 120 mesh, containers, extra, c.l., f.o.b. Milwaukee..ton. 9.00 - —
l.c.l., same basis.....ton.11.00 - —
180 mesh, containers extra, c.l., same basis..ton.11.00 - —
l.c.l., same basis.....ton.13.00 - —
250 mesh, containers, extra, c.l., same basis..ton.18.00 - —
l.c.l., same basis.....ton.15.00 - —
325 mesh, containers, extra, c.l., same basis..ton.18.00 - —
l.c.l., same basis.....ton.20.00 - —
Mica, dry grd., amber, No. 1 quality, bgs., extra and returnable, l.c.l., works..ton.30.00 - —
l.c.l., 5,000 lbs., works, ton.40.00 - —
1,000 lbs., works....lb. .02 - —
500 lbs., works....lb. .02½- —
100 lbs., works....lb. .03 - —
roofing, bgs., extra and returnable, c.l., works..ton.29.00 - —
l.c.l., 5,000 lbs., works, ton.39.00 - —
white, No. 1 quality, bgs., extra and returnable, c.l., works..ton.35.00 - —
l.c.l., 5,000 lbs., works ton.45.00 - —
1,000 lbs., works..lb. .02½- —
500 lbs., works....lb. .03 - —
100 lbs., works ...lb. .03½- —
wet-ground, paint or lacquer, bgs., 3.l., dlvd. E..lb. .04¼- —
l.c.l., 1,000 lbs., dlvd. E..lb. .04¾- —
smaller ots dlvd. E..lb. .05¼- —
paper wall or coated bgs., c.l., frt. allid., E..lb. .04½- —
c.l., 1,000 lbs., frt. all., E..lb. .04¾- —
smaller lots, frt. allid., E..lb. .05½- —
rubber bgs., c.l., frt. allid. E. lb. .04 - —
l.c.l., 1,000 lbs frt. allid. E. lb. .04½- —
smaller lots, frt. allid., E..lb. .05 - —
wet-ground mica prices are ½c. per pound higher on Pacific Coast.
Milk powder, skimmed roller, bbls., c.l..lb. .06 - —
l.c.l. .....lb. .07 - —
spray, bbls., c.l.....lb. .06½- —
l.c.l. .....lb. .07½- —
unskimmed, roller bbls., c.l., lb. .15½- —
l.c.l. .....lb. .14½- —
spray, bbls., c.l.....lb. .15½- —
l.c.l. .....lb. .14½- —
Millet seed, yellow, bgs.....lb. .03¼- .03½
red, bgs.....lb. .0240- .0270
hulled, bgs. .....lb. .05½- .06
Mineral spirits (see Petroleum thinner and V M & P, naphtha).
Molasses, blackstrap, tanks..gal. .06½- —
New Orleans.....gal. .06 - —
Molybdate orange (see Orange, molybdate).
Molybdenum metal, kgs., 99% powd..lb. 2.60 - 3.00
Monoamylamine, dms., c.l., wks., lb. .52 - —
l.c.l., works .....lb. .55 - —
Monobutylamine dms., l.c.l., works..lb. .65 - —
Monochlorobenzene, dms. .....lb. .06 - .08
Monoethanolamine, dms., c.l., works..lb. .24 - —
l.c.l., dms. .....lb. .25 - —
tanks .....lb. .23 - —
Monoethylaniliin, dms. .....lb. .77 Nom.
Monomethylamine, dms., c.l., dlvd..lb. .65 - —
l.c.l., dlvd.....lb. .70 - —
Monomethylpara-aminophenol sulphate, dms..lb. 3.75 - 4.00
Morphine, bots., 5 ozs.....oz.11.10 - —
cns., 25 ozs.....oz.10.90 - —
Acetate, bots., 5 ozs.....oz. 9.00 - —
cns., 25 ozs.....oz. 8.80 - —
Ethylhydrochloride, bots. 5 ozs., oz.10.75 - —
cns., 25 ozs.....oz.10.55 - —
Hydrobromide, bots., 5 ozs..oz. 8.95 - —
cns., 25 ozs.....oz. 8.75 - —
Sulphate, bots., 5 ozs.....oz. 9.00 - —
cns., 25 ozs.....oz. 8.80 - —
Morpholine, dms., 55 gal., l.c.l., works..lb. .75 - —
smaller containers, works...lb. 1.00 - —
Mullein flowers, cns.....lb. .80 - .85
Leaves, bls.....lb. .07 - .08
Musk, nat., Tonquin, grained, bots..oz.21.00 -22.00
pods, caddies, 20 ozs.....oz.19.00 -21.00
synth., ambrette, cns., 100 lbs. or more..lb. 3.25 - —
5 lbs. to 75 lbs.....lb. 3.50 - —
1 lb.....lb. 3.65 - —
ketone, cns., 100 lbs. or more, lb. 3.40 - —
5 lbs. to 75 lbs.....lb. 3.65 - —
1 lb.....lb. 3.80 - —

Musk, synth., xylol, cns., 100 lbs. or more..lb. 1.00 - —
5 lbs. to 75 lbs.....lb. 1.10 - —
1 lb. .....lb. 1.25 - —
Musk root, bls.....lb. .12 - 15
Mustard seed, Bombay, brown, bgs..lb. .05 - .05½
California, brown, bgs.....lb. .07 - .07½
Chinese, yellow, bgs.....lb. .05¾- .06¾
Danish, yellow, bgs.....lb. .08 - .08½
Dutch, yellow, bgs.....lb. .07¾- .08
English, yellow, bgs.....lb. .09 - .09½
Hungarian, yellow, bgs....lb. .07¾- .08¼
Roumanian, yellow, bgs....lb. .06 - .06½
Myrobalans, J1, bgs., shipt...ton.27.50 - —
J2, bgs., shipt.....ton.19.50 - —
R2, bgs., shipt.....ton.17.50 - —
Extract, liquid, 25%, bbls....lb. .03¾- .05¼
solid, 50% bbls.....lb. .04½- —
powdered, 70% bbls.....lb. .05½- —

N

Naphtha, Painters' (see Petroleum naphtha, V. M. & P.).
Solvent (see S).
Naphthalene, crude, dom., 74 deg., bgs., bbls., wks., 100 lbs. 2.35 - 2.85
78 deb., bgs., bbls., wks., 100 lbs. 2.75 - 3.3?
Import, bgs., Atl. ports..100 lbs. 1.60 - 2.15
refined, balls or flakes, bbls., wholesalers and jobbers, f.o.b. works.....lb. .06¾- —
50-lb. cs., same basis..lb. .07 - —
pkgs. (16 oz.), same basis, lb. .07¼- —
(12 oz.) same basis..pkg. .06 - —
chipped, crushed, bbls., same basis..lb. .06½- —
rice, cryst., powd., bbls., same basis..lb. .06¾- —
Nerolin, cryst., cns.....lb. 1.25 - 1.35
Nickel carbonate, bbls .....lb. .36 - .37½
Chloride, bbls. .....lb. .18 - .20
Oxide, black, bbls.....lb. .35 - .38
Salt, bbls. .....lb. .13 - .13½
Nicotine sulphate, 40%, dms., works, frt. allid.lb. .70 - —
10-lb, tins .....lb. .86½- —
Nitresake, bulk, works.....ton.16.00 - —
Nitrobenzene, dbl. dist., dms., c.l..lb. .08 - —
l.c.l. .....lb. .09 - —
tanks .....lb. .07 - —
Nitrocellulose, alcohol-soluble, ¼, and 40, sec. vis., bbls., works..lb. .28 - —
bronzing, 20, 40, 70 sec. vis., bbls., works..lb. .29 - —
ester-soluble, ¼, ½, 5-6, 15-20 sec., bbls., c.l., dry weight, works..lb. .23 - —
l.c.l., ¼, ½, 5-6, 15-20 and higher vis., bbls., lb. .26 - —
ester-soluble, lacquer, 20-30 and 60-80 sec., vis., bbls., works..lb. .29 - —
Nitrocellulose prices are quoted on the basis of dry weight; denatured alcohol used in manufacture is charged extra. Barrels are to be paid for extra, but are returnable.
Nitrogen solution, 45½% ammon., tanks, f.o.b. Atlantic and Gulf ports..unit-ton. 1.00 - —
Nitrogenous fertilizer material, 8-11% ammon., dom., bulk, f.o.b. Carrollville, Wis., dlvd.....unit-ton. No prices.
Chemical, Ill....unit-ton. No prices.
East Coast producing points..unit-ton. No prices.
Import, bgs., c.l.f. Atlantic ports, shipt..unit-ton. 2.70 - 2.75
Nitronaphthalene, bbls.....lb. .24 - .28
Nutgalls, Aleppo, bgs., cs.....lb. No prices
Chinese, shipt., cs.....lb. No prices
Extract (see Gall extract).
Nutmegs, 80s, bgs., cs.....lb. .49 - .50
110s, bgs., cs.....lb. .19 - .19½
West Indian, bgs.....lb. .10¾- .11
Nux vomica, bls.....lb. .03¾- .04
powd., bbls., bxs.....lb. .06 - .07

O

Oakbark extract, 25% tan., bbls., c.l. wks..lb. .03½- —
l.c.l., bbls., wks.....lb. .03¾- —
tanks .....lb. .02¾- —
Ocher (see Yellow).
Octanes, 100-140° C., mixed, dms., c.l., G.3..gal. .12½- —
l.c.l., G.3.....gal. .17 - —
tanks, G.3.....gal. .10¼- —
Octyl acetate, dms., c.l.,works.lb. .16 - —
l.c.l., works.....lb. .17 - —
tanks, works.....lb. .15 - —
Oil, almond, bitter, artif. (see Benzaldehyde).
natural, bots.....lb. 2.00 - 2.50
s.p.a., bots.....lb. 2.05 - 2.75
sweet, true, exp., cns.....lb. .65 - .68
Amber crude, cns.....lb. .16 - .17
ref'd, cns.....lb. .50 - .51
Amyris, cns.....lb. 3.00 - 3.25
Angelica root, bots.....lb.61.25 -100.00
seed, bots.....lb.70.00 -80.00
Anilin (see A).
Anise, USP, cns., dms.....lb. .85 - .90
Apricot kernel, cns.....lb. .28 - .32
Babassu, tanks.....lb. .06⅝ Nom.
Bay, W. I., cns.....lb. 1.35 - 1.50
Bergamot, artif., cns.....lb. 1.25 - 1.30
natural, coppers .....lb. 3.90 - 4.00
Betula (see Oil, sweet birch).
Birch (see Oil, sweet birch).
Birch tar, crude, dms.....lb. .16 - .17
rectified, cns.....lb. .70 - .75
Bois de rose, Brazil, cns....lb. 1.55 - 1.60
Cayenne, cns.....lb. 1.50 - 1.75
Cade, USP IX (see Oil, juniper tar).
Cajeput, tech., dms.....lb. .45 - .50
USP IX, cns. .....lb. .48 - .50
Calamus, cns. .....lb. 4.25 - 4.50
Camphor, sassafrassy, cns....lb. .19 - .20
dms. .....lb. .17 - .18
white, cns.....lb. .20 - .21
dms. .....lb. .17 - .18
Cananga, native, cns.....lb. 1.25 - 1.30
rectified, cns. .....lb. 1.80 - 1.85
Capsicum (oleoresin), USP X, cns..lb. 1.90 - 2.00
Caraway, USP, cns.....lb. 1.90 - 2.00
Cardamom, bots. .....lb.15.00 -33.00
Cassia, USP, cns., dms.....lb. 1.00 - 1.10
Castor, blown, one-way dms., c.l...lb. .11¼- —
l.c.l. .....lb. .12 - —
Medicinal, bbls., c.l.....lb. .09¾- —
l.c.l. .....lb. .10½- —
cns. (1-gal.), l.c.l.....lb. .13½- —
dms. (returnable), c.l. ..lb. .09¼- —
l.c.l. .....lb. .10¼- —
(5-gal.), l.c.l. .....lb. .11¼- —
tanks .....lb. .09 - —
No. 3, bbls., c.l.....lb. .09¼- —
l.c.l. .....lb. .10 - —
dms. (returnable), c.l....lb. .09 - —
l.c.l. .....lb. .09¾- —
tanks .....lb. .08½- —
Castor oil, med. and No. 3 prices are dlvd. all points between N. Y. and Philadelphia. Albany, and N. E. States; Chicago c.l. prices ¾c. higher than N. Y.; l.c.l. prices ¾c. higher than N. Y.; one-way dms., ¼c. higher, all points.

Oil, castor, sulphonated, 50% (48% fat), dms., c.l..lb. .06¾- .06¾
l.c.l. .....lb. .07¾- .08¾
75% (63% fat), dms., c.l..lb. .09 - .09¼
l.c.l. .....lb. .10 - .10¼
80% (68% fat), dms., c.l..lb. .09½- .10½
l.c.l .....lb. .10½- .11
Cedarleaf, cns.....lb. .73 - .78
dms. .....lb. .70 - .75
Cedarwood, Oregon, cns., dms.
Southern, cns., dms..... lb. .25 - .35
lb. .20 - .25
Celery, bots.....lb. 7.50 -14.50
Chaulmoogra, USP, cns., 500 lbs. lb. .90 - —
25 lbs.....lb. 1.00 - —
Chinawood, dms.....lb. .14¾- .15
tanks .....lb. .1430- .1450
Cinnamon, Ceylon, bots.....lb. 8.00 -22.00
Seychelle, bots. .....lb. 6.50 - 7.50
Citronella, Ceylon, cns.....lb. .35 - .35½
dms. .....lb. .33½- .34
Java, dms.....lb. .38.- .40
Clove, makers, USP, cns.....lb. .98 - —
dms. .....lb. .95 - —
Coconut, Manila, crude, tanks.lb. .0?¾- —
Fac. Cst.....lb. .03⅞- —
edible, 76°, tax incl., dms., (returnable), c.l..lb. .09 - —
l.c.l. .....lb. .09¼- —
tanks .....lb. .08¾- —
Cod, Newfoundland, shipt., tanked, bbls..gal. .38 Nom.
Norwegian, shipt., bbls...gal. .27 - .29
Codliver, med., U.S.P., Norwegian, bbls..bbl.26.00 - 27.00
Coriander, bots. .....lb.18.00 -20.00
Corn, crude, tanks, works...lb. .08 - .08¾
refd., bbls.....lb. .10¼- .10½
Cottonseed, dom., cooking, bbls..lb. .10¼- —
salad, bbls.....lb. .10¾- —
import, Brazilian, semi-refu., dms..lb. .0525 Nom.
Creosote (see C).
Croton, USP, cns.....lb. 1.30 - 1.35
Cubeb, USP, cns.....lb. 2.50 - 2.75
Crude (see Petroleum, crude).
Cumin, bots.....lb. 6.75 - 7.00
Cypress, dom., bots.....lb. 3.25 - 3.50
import., cns.....lb.12.00 -12.25
Degras (see D).
Diesel, Bayonne, bulk.....bbl. 1.75 - —
California, 24 plus, bulk..bbl. 1.55 - —
Dill seed, bots.....lb. 3.00 - 3.25
weed, bots.....lb. 3.85 - 4.10
Dip (see D).
Erigeron, cns.....lb. 2.40 - 2.55
Eucalyptus, cns.....lb. .35 - .37
dms. .....lb. .33 - .35
Fennel, sweet, cns.....lb. 1.10 - 1.15
Fuel, bunker, California, tide-water..bbl. .90 - —
Gulf Coast.....bbl. .85 - .90
Louisiana, Arkansas, 16-14, bbl. .85 - 1.00
N. Y. and N. J. terminals:—
Monday .....bbl. .95 - —
Tuesday .....bbl. .95 - —
Wednesday .....bbl. .95 - —
Thursday .....bbl. .95 - —
Friday .....bbl. .95 - —
Saturday .....bbl. .95 - —
North Texas, 18-22.....bbl. .80 - .85
24-28, zero cold test....bbl. 1.10 - 1.15
Oklahoma, 18-22.....bbl. .85 - .90
24-28, zero cold test....bbl. 1.07½- 1.12½
24-28, 15 and above.....bbl. .90 - .95
Pennsylvania, 36-40.....gal. .04 - .04½
Furnace, Bayonne, 1, bulk, refinery..gal. .06 - —
2, bulk, same basis.....gal. .04½- —
4, bulk, same basis.....gal. .04⅝- —
Louisiana - Arkansas, 32 - 36, light straw..gal. .03¾- .04
Oklahoma, 28-30.....gal. .03¼- .03½
32-36 .....gal. .03½- .03¾
36-38 .....gal. .03⅝- .03⅞
38-40, straw.....gal. .03¾- .04
38-40 zero, 60 e.p.....gal. .03¾- .04
Fusel (see F).
Gas, Bayonne, bulk.....gal. .04¾- —
Gulf Coast, bulk.....gal. .04½- .04¼
North Texas, bulk.....gal. .02⅞- .03
Oklahoma, bulk.....gal. .02⅞- .03
Gaultheria (see Oil, wintergreen leaf).
Geranium, Algerian, rose, cns.lb. 3.25 - 4.50
Bourbon, cns.....lb. 2.65 - 3.00
Turkish (see Palmarosa).
Grapefruit, cns.....lb. 2.15 - 2.20
Ginger, dist., bots.....lb. 5.75 - 6.00
Guaiac wood, concrete, bots.lb. 2.75 - 3.10
Haarlem, import., bots....gross 3.25 - 3.35
Halibut-liver, dms.....1,000 A unit gal. .75 - 1.00
Hemlock, cns.....lb. .75 - 1.00
Juniper berry, USP, cns.....lb. 1.10 - 1.30
Wood, tech., cns.....lb. .45 - —
Juniper tar, USP XI, 1,000 lb. dms..lb. .39 - .40
cns. .....lb. .44 - .45
Lard, common, 1, bbls.....lb. .083¾- —
2, bbls.....lb. .08¾- —
extra, bbls. .....lb. .09½- —
1, bbls. .....lb. .09 - —
winter, strained, extra, bbls., lb. .09¾- —
prime burning, bbls.....lb. .10½- —
prime, ed., bbls.....lb. .12¾- —
ined., bbls. .....lb. .10 - —
Laurel, bots.....lb. 6.25 - 6.50
Lavandin, cns., 25 lbs.....lb. 2.00 - 2.05
Lavender flower, French, 50% ester, cns..lb. 5.00 - 5.25
38-42% ester, cns.....lb. 3.25 - 4.25
33-38% ester, cns.....lb. 2.75 - 3.00
30-32% ester, cns.....lb. 2.00 - 2.25
garden, cns. .....lb. .42 - .45
spike, Spanish, tech., cns..lb. 1.05 - 1.10
dms. .....lb. .95 - 1.10
Lemon, Calif., cns.....lb. 2.50 - —
Messina, coppers, cns.....lb. 3.25 - 4.00
Lemongrass, native, cns., dms., lb. .38 - .40
Lime, dist., cns.....lb. 4.25 - 5.00
expressed, cns.....lb. 7.50 - 9.00
Linaloe wood, cns.....lb. 1.25 - 1.30
Linseed, boiled, bbls., c.l....lb. .0900- .0920
l.c.l., 5 or more.....lb. .0940- .0960
less than 5.....lb. .0980- .1000
tanks .....lb. .0840- .0860
double boiled, bbls, less than 5 lbs..lb. .1000- .1040
raw, bbls., c.l.....lb. .0860- .0880
l.c.l., 5 or more.....lb. .0900- .0920
less than 5.....lb. .0940- .0960
tanks .....lb. .0800- .0820
Lovage, bots.....lb.41.25 -60.00
Lubricating, at refinery (including U.S. tax 4c. per gal.):—
California, green, 70, 80, 100 vis., dms..gal. .20 - —
140 vis., dms.....gal. .25 - —
green, pale, 750, 900 vis., dms..gal. .26 - —
green, pale, red, 200, 300, 350, 400, 450, 500, 600, 700 vis., dms..gal. .26 - —
Oklahoma, bright stocks. 100-110 D, color 4, 0-10 pour, tanks..gal. .18½- —
15-25 pour, tanks.gal. .17½- —
150-160 D, color 4½, 0-10 pour, tanks..gal. .20 - —
15-25 pour, tanks.gal. .19 - —
150-160 E, color 5½, 15-25 pour, tanks..gal. .18½- —
190-200 D, color 4¼,15-25 pour, tanks..gal. .23 - —
200-210 E, 15-25 pour, tanks..gal. .22 - —

Oil, lubricating, at rfy., Oklahoma neutrals, 0-10 pour, 150 vis., 3 color, tanks, gal.	.13 -	—
180 vis., 3 color, tanks, gal.	.14 -	—
4 color, tanks....gal.	.13½-	—
200 vis., 3 color, tanks, gal.	.14½-	—
4 color, tanks....gal.	.14 -	—
250 vis., 3 color, tanks, gal.	.15½-	—
4 color, tanks....gal.	.15 -	—
280 vis., 3 color, tanks, gal.	.16½-	—
4 color, tanks....gal.	.16 -	—
300 vis., 3½ color, tanks, gal.	.17 -	—
350 vis., same basis,gal.	.17½-	—
400 vis., same basis,gal.	.18 -	—
500 vis., same basis,gal.	.18½-	—
600 vis., same basis,gal.	.19 -	—
15-25 pour prices are ½c. per gallon higher than zero to 10° pour.		
Penn., bright, 600 cold test, 10-15 pour, tanks..gal.	.17 -	—
cylinder, 600 fire, tanks, gal.	.11½-	—
600 flash, tanks.....gal.	.14 -	—
630 flash, tanks.....gal.	.17 -	—
635 fire, tanks.....gal.	.12½-	—
650 fire, tanks.....gal.	.13½-	—
Warren, E, amber, tanks, gal.	.15 -	—
neutral, 150 vis., 3 color, tanks..gal.	.15½-	—
180 vis.,3 color,tanks..gal.	.16½-	—
200 vis.,2 color,tanks..gal.	.17 -	—
spot, Penna., bright, bbls., c.l., f.a.s..gal.	.27 -	.29
unfiltered, 600 s.r....bbls., f.a.s..gal.	.21 -	—
600 flash, s.r., bbls., c.l., gal.	.23½-	—
630 s.r., bbls., c.l., f.a.s. gal.	.25 -	—
Warren, E, bbls., c.l., f.a.s. gal.	.24½-	—
smaller lots, f.o.b..gal.	.26½-	—
Mace, dist., cns., dms.....lb.	1.20 -	1.25
Mandarin, superior, coppers..lb.	6.00 -	7.50
Menhaden, crude, tanks, f.o.b. Balto..gal.	.30 -	—
refd., alkali, dms.....lb.	.0750-	.0770
tanks .....lb.	.0690-	—
blown, dms.....lb.	.0750-	.0770
kettle-bodied, dms.....lb.	.0840-	.0860
light, pressed, dms.....lb.	.0690-	.0710
tanks .....lb.	.0630-	—
Mineral, white (see Oil- white mineral).		
Mustard, artif., USP, cns....lb.	1.70 -	1.75
dist., natural, bots.....lb.	8.50 -	9.00
expressed, bbls.....gal.	.65½-	.70
Neatsfoot, 20° cold test, bbls., lb.	.15½-	—
extra, bbls.....lb.	.09½-	—
1, bbls.....lb.	.09 -	—
pure, bbls.....lb.	.11¾-	—
prime, bbls. .....lb.	.09¾-	—
sulphonated, common, 25% moisture, dms..lb.	.10½-	—
Neroli, bots.....lb.	115.00-	140.00
Nutmeg, USP, cns., dms....lb.	1.20 -	1.25
Officica, dms. .....lb.	.11½Nom.	
Oleo, 1, bbls. .....lb.	.09¼-	—
2 bbls.....lb.	.08½-	—
Olibanum, bots.....lb.	5.00 -	5.25
Olive, denat., bbls.....gal.	.94 -	.98
edible, bbls.....gal.	1.75 -	2.00
foots, bbls.....lb.	.08 -	.08½
sulphonated, 50% (43% fat), dms., c.l..lb.	.11½-	.12
l.c.l. .....lb.	.12½-	.13
75% (63% fat), dms., c.l..lb.	.13½-	.14
l.c.l. .....lb.	.14½-	.15
80% (68% fat), dms., c.l..lb.	.14½-	.15
l.c.l. .....lb.	.15½-	.16
Orange sweet, dist., cs.....lb.	.70 -	—
expressed, African, cns., dms..lb.	.90 -	1.00
Calif., cns.....lb.	.75 -	1.00
Messina, USP, coppers.lb.	2.25 -	3.25
West India, cns.....lb.	2.00 -	2.05
Origanum, Spanish, cns.....lb.	.90 -	1.60
Orris, Florentine, concrete, extra strong bots..oz.	5.25 -	5.50
Palm, Niger, dms.....lb.	.04 -	.04¼
shipment .....lb.	.0290-	—
softs, 12½%, bulk, shipt....lb.	.0290-	—
20%, bulk, shipt.....lb.	.0270-	—
Sumatra, shipt., bulk.....lb.	.0300 Nom.	
Palmarosa, cns. .....lb.	2.00 -	2.25
Palmkernel, bulk, shipt.....lb.	.0415-	—
Paraffin, 320° flash, 60-70 vis., tanks, G. 3..gal.	.05¼-	—
330° flash, 70-80 vis., tanks, G. 3..gal.	.05½-	—
80-85 vis., bbls., extra, Ind. refy..gal.	.12 -	—
350° flash, 100-105 vis., bbls., extra, Ind. refy..gal.	.14 -	—
360° flash, 100-110 vis., tanks, G. 3..gal.	.05¾-	—
Patchouli, bots., cns.....lb.	3.75 -	8.00
Peanut, crude, dom., tanks..lb.	.08¼ Nom.	
refd., edible, bbls.....lb.	.10½-	.10¾
Pennyroyal, dom., cns.....lb.	1.40 -	1.45
import, cns. .....lb.	1.35 -	1.40
Peppermint, natural, cns., dms., lb.	2.30 -	2.55
redist., USP, cns., dms....lb.	2.55 -	2.80
Perilla, dms. .....lb.	.10¾-	.11
tanks .....lb.	.10 -	.10¼
Petitgrain, Paraguay, cns....lb.	.90 -	1.00
Pimento berry, cns.....lb.	3.65 -	7.50
leaf, cns. .....lb.	2.30 -	2.40
Pine, dest.-dist., straw-color, dms., dlvd., E. ports...gal.	.52 -	.55
steam-dist., dms.....gal.	.59 -	—
tanks .....gal.	.54 -	—
Pineneedle, Siberian, cns.....lb.	.95 -	1.00
Putty, bbls., El Segundo, Richmond, Cal..gal.	.22½-	—
contracts .....gal.	.19½-	—
Whiting, Ind.....gal.	.28 -	—
dms., c.l., Bost., Provid..gal.	.25 -	—
l.c.l., same basis.....gal.	.27 -	—
tanks, same basis.....gal.	.18 -	—
Martinez, Cal.....gal.	.28 -	—
Rapeseed, blown, bbls.....lb.	.14 -	.14½
denat., bbls.....gal.	.75 -	.80
Red, dist. or saponif. bbls., dlvd..lb.	.08⅝ Nom.	
dms., dlvd.....lb.	.08¼ Nom.	
tanks, dlvd.....lb.	.07½ Nom.	
white, dms.....lb.	.11¼ Nom.	
Rose, artif., bots.....oz.	2.00 -	8.00
natural, coppers....oz.	5.25 -	22.50
Rosemary, Spanish, cns.....lb.	.56 -	.75
dms. .....lb.	.51 -	.70
Rosin, 1st rectfd., dms.....gal.	.45 -	—
2d rectfd., dms.....gal.	.47 -	—
3d rectfd., dms.....gal.	.51 -	—
Rue, bots.....lb.	2.15 -	2.20
Sage, cns. .....lb.	1.30 -	35.00
Sandalwood, E.I., USP, cns..lb.	4.75 -	4.80
Sardine, crude, tanks, Pac. Cst. gal.	.30	Nom.
refd., alkali, dms.....lb.	.0750-	.0770
tanks .....lb.	.0690-	—
kettle-bodied, dms. .....lb.	.0840-	.0860
light, pressed, dms.....lb.	.0690-	.0770
tanks .....lb.	.0630-	—
Sassafras, artif., cns.....lb.	.36 -	.37
dms. .....lb.	.34 -	.35
natural, cns., dms.....lb.	1.00 -	1.05
Savin, cns. .....lb.	1.65 -	1.70
Savory, cns.....lb.	2.00 -	2.25
Sesame, refd., dms.....lb.	.10½ Nom.	
Shingle stain, bbls., c.l., wks. gal.	.18 -	—
l.c.l., works.....gal.	.21 -	—
tanks, works.....gal.	.14 -	—
Snakeroot, Canada, cns.....lb.	9.50 -	10.00
Soybean, dom., crude, dms..lb.	.0730-	.0770
tanks .....lb.	.0670-	—
refd., dms.....lb.	.0830-	.0870
tanks .....lb.	.0720-	.0770
Oil, spearmint, USP, cns.....lb.	1.70 -	1.75
sperm, bleach, 38°, dms.....lb.	.1000-	.1020
45°, dms.....lb.	.0930-	.0950
natural, dms.....lb.	.0880-	.0900
Spruce, cns., dms.....lb.	.75 -	1.00
Sweet birch, North, cns.....lb.	2.25 -	3.50
South, cns.....lb.	1.65 -	2.00
Tall, crude, dms., c.l., works, ton.	45.00-	—
l.c.l., works.....ton.	50.00 -	65.00
tanks, works.....ton.	35.00 -	—
refined, dms., c.l., works...lb.	.05½-	—
l.c.l., works.....lb.	.06 -	—
tanks, works.....lb.	.05 -	—
Tallow, acidless, bbls.....lb.	.08¾-	—
tanks .....lb.	.08¼-	—
Tansy, cns.....lb.	5.50 -	5.75
Tar, coml, dms., c.l., dlvd., E. cities..gal.	.26 -	—
E. ports.....gal.	.25 -	—
l.c.l. .....gal.	.26 -	—
tanks, dlvd. E. cities...gal.	.20 -	—
rectfd., USP, bbls., dlvd., E. ports..gal.	.50 -	—
Tar acid (see T).		
Teaseed, crude, dms.....lb.	.08½-	.08¼
Tea Tree (see Oil, ti tree).		
Thyme, NF, red, dms.....lb.	.85 -	1.25
white, dms. .....lb.	.85 -	1.45
Ti tree, cns.....lb.	3.10 -	3.50
Tung (see Oil, chinawood).		
Turkey red (see Oil, castor, sulphonated).		
Turpentine (see T).		
Turtle, cns. .....gal.	4.25 -	5.00
Valerian, bots. .....lb.	8.00 -	8.25
Vetiver, bots. .....lb.	4.35 -	16.50
Walnut, crude, dms.....lb.	.13 -	.13½
refd., dms. .....lb.	.14 -	.14½
Whale, refd., natural, dms...lb.	.0830-	.0850
winter, bleach, dms.....lb.	.0870-	.0890
Wheat germ, phar., cns., dms. gal.	22.50	-30.00
feedstuff, cns., dms.....gal.	17.50	-25.00
Oil, white, mineral, doms., tech., 50-60 vis., dms.....gal.	.42 -	—
65-75 vis., dms.....gal.	.44 -	—
80-90 vis., dms.....gal.	.45 -	—
USP, 80-90 vis., dms....gal.	.49 -	—
95-105 vis., dms.....gal.	.57 -	—
125-135 vis., dms.....gal.	.61½-	—
140-150 vis., dms.....gal.	.68 -	—
175-185 vis., dms.....gal.	.72½-	—
200-210 vis., dms.....gal.	.74½-	—
320-330 vis., dms.....gal.	.80½-	—
335-345 vis., dms.....gal.	.82 -	—
Russian, 80-90 vis., dms.gal.	.49 -	—
145-155 vis., dms.....gal.	.68 -	—
175-185 vis., dms.....gal.	.72½-	—
335-345 vis., dms.....gal.	.82 -	—
Wintergreen, natural, North, cns..lb.	4.00 -	8.00
South, cns.....lb.	3.05 -	3.75
synth (see Methyl salicylate).		
Wood (see Oil, chinawood).		
Wormseed, cns.....lb.	2.60 -	2.65
Wormwood, cns.....lb.	2.65 -	2.70
Ylang-ylang, Bourb., bots., cns., lb.	3.50 -	6.00
Manila, bots. .....lb.	18.00	-24.00
Olivine, aggregate, c.l., mines, ton.	5.00 -	8.00
Lumps, same basis.....ton.	7.00 -	—
Spalls, same basis.....ton.	5.00 -	—
Ground, 200 mesh, c.l., mines, ton.	15.00 -	—
20 mesh to dust.....ton.	10.00 -	—
Opium, USP, cns.....lb.	11.50	-12.50
gran., cns. .....lb.	12.50	-13.50
powd., cns. .....lb.	12.50	-13.50
Orange, Lake, Persian, bbls...lb.	.30 -	.45
Mineral, Amer., bbls., 5 tons, dlvd. Ala., Ark., Cal., Fla., Ga., La., Miss., Okla., Tex., and W. of Cascade Mts. in Ore. and Wash....lb.	.10½-	—

Oil, Lub.—Orthonitro.

Orange mineral, Amer., bbls., 5 tons, dlvd., Ariz., Idaho, Nev., Utah and E. of Cascade Mts. in Ore. and Wash..lb.	.11 -	—
Colo., Mont., N. M., Wyo..lb.	.10¾-	—
Other points .....lb.	.10¾-	—
smaller lots, dlvd., Ala., etc..lb.	.11 -	—
Ariz., etc. .....lb.	.11½-	—
Colo., Mont., N. M., Wyo..lb.	.11¼-	—
Other points .....lb.	.10¾-	—
French, Tours, csks, ex dock. lb.	.13½-	—
kgs., ex dock.....lb.	.14½-	—
Molybdate, bbls.....lb.	.31 -	—
Toner, bbls.....lb.	.80 -	—
Orangeflower petals, cs.....lb.	.33 -	.35
Orange peel, bitter, bls.....lb.	.08 -	.09
sweet, bls. .....lb.	.09 -	.10
Orris root, Florentine, bgs.....lb.	.10 -	.11
fingers, cs.....lb.	.90 -	.95
powd., bbls., bxs.....lb.	.12 -	.13
Verona, bls.....lb.	.09 -	.10
powd., bxs., cs.....lb.	.12 -	.13
Orthoanisidin, bbls.....lb.	.70 -	.74
Orthochloroanilin, dms.....lb.	.60 -	.75
Orthochlorophenol, dms.....lb.	.32 -	—
Orthocresol, dms., c.l., works..lb.	.16½-	—
l.c.l., same basis.....lb.	.17½-	—
Orthodichlorobenzene, dms., c.l., works, frt. alld E. of Rockies..lb.	.06 -	—
l.c.l., same basis.....lb.	.07 -	—
100-lb. tins, same basis.lb.	.08 -	—
50-lb. tins, same basis..lb.	.09 -	—
tanks, same basis.....lb.	.08½-	—
Orthodichlorobenzene prices west of Rockies 1c. per lb. higher.		
Orthonitroanilin, dms.....lb.	.55 -	—

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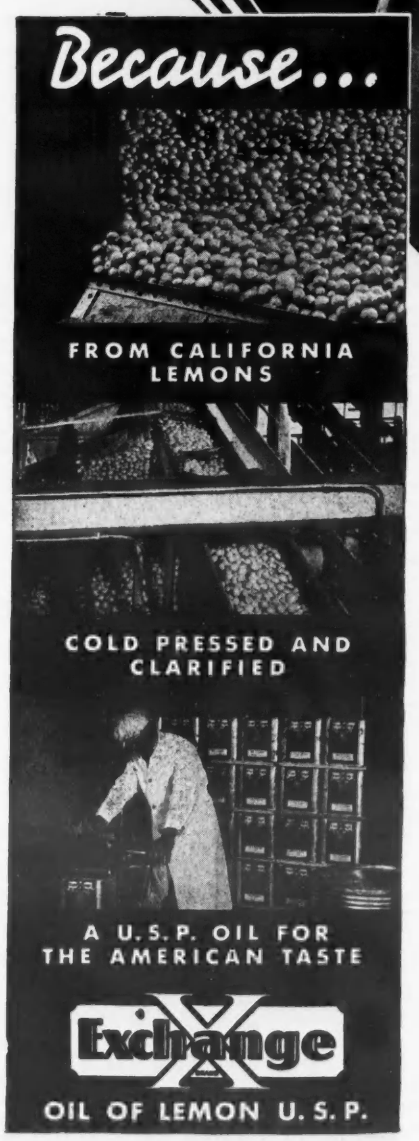
as all other Lemon Oils Combined!



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Products Department, Ontario, California

Producing Plant: EXCHANGE LEMON PRODUCTS COMPANY, Corona, California

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Orthonitro.—Petroleum

Orthonitrochlorobenzene, kgs.	lb.	.18 - —
Orthonitroparachlorophenol, cns.	lb.	.75 - —
Orthonitrotoluene, dms.	lb.	.08 - —
Orthotoluenehydrochloride, dms.	lb.	.22 - —
Orthotoluene sulphonate, kgs.	lb.	2.00 - 2.05
Orthotoluidin, dms.	lb.	.16 - —
Osage orange extract, cryst., bbls.,	lb.	.19 - —
liquid, 42°, bbls.	lb.	.08 - —
51°, bbls.	lb.	.09 - —
Oxyquinolin sulphate, cns., 100-lbs., works.	lb.	2.50 - —
cots., cns., 1-50 lbs.	lb.	3.68 - 4.00

P

Papain, powd., cs.	lb.	1.25 - 1.30
Paprika, Hungarian, extra fancy, bgs.	lb.	.25 - .26
medium, bgs.	lb.	.23 - .23½
Spanish, extra fancy, cs.	lb.	.31 - .32
fair, bgs.	lb.	.25½- .26
fancy, bgs.	lb.	.30 Nom.
medium, bgs.	lb.	.28 Nom.
Para-aminoacetanilide, kgs.	lb.	.85 Nom.
Parachlorophenol, dms.	lb.	.45 - —
Paracymene, refd., dms.	gal.	.75 - 1.25
Paradichlorobenzene, dms., c.l.	lb.	.11 - .12
l.c.l.	lb.	.12½- .15½
Paraffin, crude, scale, white, 122-124 A.m.p., bgs., c.l., Okla., refy.	lb.	.02¼- —
bbls., c.l., N. Y.	lb.	.02¼- —
124-126 A.m.p., bgs., c.l., Okla., refy.	lb.	.02¼- —
bbls., c.l., N. Y.	lb.	.02¼- —
yellow, 124-126 A.m.p., bbls., c.l., N. Y.	lb.	.02¼ Nom.
fully refd., slabs, 123-125 A.m.p., bgs., c.l.	lb.	.03¾- —
loose, c.l.	lb.	.0355- —
125-127 A.m.p., bgs., c.l.	lb.	.0390- —
loose, c.l.	lb.	.0370- —
128-130 A.m.p., bgs. or loose, c.l.	lb.	.04 - —
Paraffin, fully rfd., slabs., 131-133 A.m.p., bgs. or loose, c.l.	lb.	.0435- —
133-135 A.m.p., bgs. or loose, c.l.	lb.	.0465- —
135-137 A.m.p., bgs. or loose, c.l.	lb.	.0490- —
138-140 A.m.p., bgs. or loose, c.l.	lb.	.0565- —
143-145 A.m.p., bgs. or loose, c.l.	lb.	.0660- —
151-153 A.m.p., bgs. or loose, c.l.	lb.	.08½- —

refined paraffin prices in cases are ½c. lb. higher than bags price; solid in tankcars is .05c. lower.

match, A.m.p. up to and incl. 110-112 bbls., c.l.	lb.	.02½- .02¾
semirfd., solid, 122-124 A.m.p., bgs.	lb.	.02¼ Nom.
Paraformaldehyde, dms., 1,000 lbs. or more shipments, f.o.b. Perth Amboy, Philadelphia, or N. Y. C.	lb.	.34 - —
100 to 900 lbs. shipments, same basis.	lb.	.35 - —
Paraldehyde, tech., 99% 55 and 100 gal. dms., dlvd.	lb.	.16 - —
5 and 10 gal. dms., dlvd.,	lb.	.17 - —
USP, cs., cbys.	lb.	.37 - .45
Paranitroanilin, kgs., works.	lb.	.47 - —
Paranitrochlorobenzene, kgs.	lb.	.15 - —
Paranitrophenol, kgs.	lb.	.35 - —
Paranitrotoluene, kgs.	lb.	.35 - —
Paraphenylenediamine, bbls.	lb.	1.25 - 1.30
Paratoluenesulphonamide, bbls.	lb.	.70 - —
Paratoluidin, bbls.	lb.	.56 - —
Pareira brava root, bls.	lb.	.15 - .18
Paris green, dealer, dms., bbls., c.l., f.o.b. works frt. alld.,	lb.	.23 - .25
less car lot, same basis.	lb.	.24 - .26
Passion flower herb, bls.	lb.	.07 - .07½
Patchouli leaves, bls.	lb.	.18 - .20
Pellitory root, bls.	lb.	.16 - .17
Pennyroyal herb, bls.	lb.	.07 - .08
leaves, bls.	lb.	.14 - .15
Pentanes norm., 28-38°, dms., c.l., G.3.	gal.	.11½- —
l.c.l., G.3	gal.	.16 - —
tanks, G.3	gal.	.08½- —
laboratory grade, dms., c.l., G.3.	gal.	.14 - —
l.c.l., G.3	gal.	.25 - —
Pepper, black, Alleppy, bgs.	lb.	.08 - .08¼
Lampong, bgs.	lb.	.05¼- .05½
Tellicherry, bgs.	lb.	.08¼- .08½
Red, chillies, Japan, 1, bgs.	lb.	.20 - .20½
Mombassa, bgs.	lb.	.21 Nom.
White, Java, Muntok, bgs.	lb.	.08¼- .08½
Saigon, bgs.	lb.	.08¼- .08½
Peppermint leaves, dom., bls.	lb.	.26 - .28
import, bls.	lb.	.45 - .48
Peru, balsam, dms.	lb.	.65 - .70
Petrolatum, amber, bbls., c.l.,	lb.	.02¾- .02¾
l.c.l.	lb.	.03¾- —
extra, bbls.	lb.	.02¾- .03
l.c.l.	lb.	.04½- —
cream (see white, cream) green (see red)		
red, veterinary, bbls., c.l.	lb.	.02½- —
white, cream, bbls., c.l.	lb.	.04¼- —
l.c.l.	lb.	.06½- —
lily, bbls., c.l.	lb.	.05¼- —
l.c.l.	lb.	.07½- —
snow, bbls., c.l.	lb.	.06¼- —
l.c.l.	lb.	.08¼- —

Petroleum, crude, bulk, at wells:		
California—		
Alamitos Heights	bbl.	.74 - .95
Athens	bbl.	.84 - 1.66
Belridge	bbl.	.70 - 1.32
Buena Vista Hills	bbl.	.70 - 1.38
Canal-Greely	bbl.	.91 - 1.68
Coalinga	bbl.	.70 - .90
Coyote Hills (West)	bbl.	.78 - 1.32
Dominguez	bbl.	.79 - 1.00
East Coyote	bbl.	.76 - .96
Elk Hills	bbl.	.70 - 1.38
Elwood Terrace, f.o.b. ship.,	bbl.	1.28 - 1.43
El Segundo	bbl.	.80 - 1.21
Huntington Beach	bbl.	.78 - 1.22
Inglewood	bbl.	.79 - 1.27
Kern Front	bbl.	.70 - —
Kern River	bbl.	.70 - —
Kettleman Hills	bbl.	1.19 - 1.43
La Habra	bbl.	.76 - .96
Lakeview	bbl.	.70 - 1.36
Lost Hills	bbl.	.70 - 1.18
McKittrick	bbl.	.70 - —
Midway - Sunset (except Lakeview).	bbl.	.70 - 1.38
Montebello	bbl.	.77 - 1.43
Mt. Poso	bbl.	.70 - —
Mountain View	bbl.	.70 - 1.20
Newhall	bbl.	.70 - —
Orcutt	bbl.	.70 - .93
Olinda Brea	bbl.	.76 - 1.27
Playa del Rey, f.o.b. pipe-line	bbl.	.80 - 1.16
Richfield	bbl.	.76 - 1.09
Rosecrans	bbl.	.84 - 1.66
Round Mt.	bbl.	.70 - —
Santa Fe Springs	bbl.	.78 - 1.42
Santa Paula	bbl.	.70 - 1.01
Seal Beach	bbl.	.79 - 1.19
Signal Hill	bbl.	.80 - 1.21
Torrence	bbl.	.80 - 1.05
Wheeler Ridge	bbl.	.70 - .83
Whittier	bbl.	.76 - .96
Wilmington	bbl.	.75 - 1.21
Canada:—		
Oil Springs	bbl.	2.17 - —
Petrolia	bbl.	2.10 - —
Central West:—		
Illinois	bbl.	1.35 - —
Lima	bbl.	1.25 - —
Midland (Mich.)	bbl.	1.12 - —
Princeton	bbl.	1.35 - —
East Texas	bbl.	1.35 - —
Gulf Coast:—		
Barber's Hill	bbl.	.95 - 1.41
Batson	bbl.	.95 - 1.41
Dayton	bbl.	.95 - 1.41
Esperson	bbl.	.95 - 1.41
Goose Creek	bbl.	.95 - 1.41
Hull	bbl.	.95 - 1.41
Humble	bbl.	.90 - 1.41
Liberty	bbl.	.90 - 1.41
Markham	bbl.	.90 - 1.29
Orange	bbl.	.95 - 1.41
Pettus	bbl.	1.37 - —
Pierce Junction	bbl.	.95 - 1.41
Refugio (incl. Greta, Taft, Saxet).	bbl.	1.01 - 1.17
Saratoga	bbl.	.95 - 1.41
Sour Lake	bbl.	.90 - 1.41
Spindle Top	bbl.	.95 - 1.41
Sugarland	bbl.	.95 - 1.41
West Columbia	bbl.	.95 - 1.41
Kentucky, Tennessee:—		
Big Sandy river	bbl.	1.42 - —
Kentucky river	bbl.	1.50 - —
Western Kentucky (Owensboro).	bbl.	1.30 - —
Louisiana, Arkansas:—		
Bull Bayou	bbl.	.90 - 1.22
Caddo	bbl.	.90 - 1.22
Cameron Meadows	bbl.	.90 - 1.30
Choctaw	bbl.	.90 - 1.30
Cotton Valley	bbl.	.90 - 1.22
Darrow	bbl.	.90 - 1.30
De Soto	bbl.	.90 - 1.22
El Dorado	bbl.	.90 - 1.22
Haynesville	bbl.	.90 - 1.22
Homer	bbl.	.90 - 1.22
Iowa	bbl.	.90 - 1.30
Lockport	bbl.	.90 - 1.30
Miller County	bbl.	.90 - 1.22
Pine Island	bbl.	.90 - 1.22
Rainbow	bbl.	.90 - 1.22
Rodessa	bbl.	.90 - 1.22
Smackover	bbl.	.90 - —
Tepetate	bbl.	1.24 - —
Urania	bbl.	1.02 - —
Mexico, f.o.b. terminals Mexican ports—based on contract:—		
Panuco	bbl.	No prices
Tax, 14.175c per bbl.		
Tuxpan	bbl.	No prices
Tax, 23.070c. per bbl.		
Midcontinent:—		
North Texas	bbl.	.96 - 1.20
Oklahoma-Kansas	bbl.	.93 - .130
Altus, Tipton (Okla.).	bbl.	.96 - 1.20
Pennsylvania, Ohio West Virginia:—		
Bradford-Allegany	bbl.	1.80 - —
Corning	bbl.	1.17 - —
Pennsylvania grade, in Buckeye lines.	bbl.	1.30 - —
Eureka lines.	bbl.	1.40 - —
N. Y. Transit lines.	bbl.	1.80 - —
S. W. Penn. lines.	bbl.	1.46 - —
lower district in National Transit lines.	bbl.	1.68 - 1.73
Rocky Mountain:—		
Big Muddy	bbl.	1.18 - 1.23
Canon City-Florence	bbl.	1.10 - —
Cat Creek	bbl.	1.40 - —
Dutton Creek	bbl.	1.06 - 1.30
Elk Basin	bbl.	1.05 - —
Fort Collins-Wellington,	bbl.	1.01 - 1.25
Frannie, light	bbl.	.65 - —
Grass Creek, light	bbl.	1.05 - —
Greybull	bbl.	1.30 - —
Iles	bbl.	1.12 - 1.18
Lance Creek	bbl.	.97 - —
Lander	bbl.	.51¼- —
Midway	bbl.	1.00 - 1.30
Rock Creek	bbl.	1.20½- —
Salt Creek	bbl.	1.06 - 1.30
Sunburst	bbl.	1.20 - —
Torchlight	bbl.	1.30 - —
South, Central and Southwestern Texas:—		
Cass County	bbl.	.98 - 1.25
Cleveland-Liberty	bbl.	1.27 - —
Conroe	bbl.	1.20 - 1.44
Darst Creek	bbl.	1.09 - —
Hardin-Liberty	bbl.	1.15 - —
Luling	bbl.	1.00 - —
Lytton Springs	bbl.	1.12 - —
Mirando (incl. Duval)	bbl.	.96 - 1.30
Panola County	bbl.	.93 - 1.25
Salt Flat	bbl.	1.09 - —
Tomball	bbl.	1.20 - 1.44
West Beaumont	bbl.	.95 - 1.29
Van	bbl.	1.10 - —
Texas Panhandle:—		
Carson-Hutchinson counties,	bbl.	.91 - 1.03
Gray County	bbl.	.96 - 1.06
West Texas:—		
Artesia, N. M.	bbl.	.90 - —
Crane	bbl.	.78 - 1.06
Crockett	bbl.	.78 - 1.06
Ector	bbl.	.78 - 1.06
Eddy (N. M.)	bbl.	.90 - —
Hogback	bbl.	1.33 - —
Howard	bbl.	.78 - 1.06
Jackson, N. M.	bbl.	.90 - —
Lea, N. M.	bbl.	.78 - 1.06
Maljamar, N. M.	bbl.	.90 - —
Mitchell	bbl.	.78 - 1.06
Pecos	bbl.	.91 - —
Upton	bbl.	.78 - 1.06
Winkler	bbl.	.78 - 1.06
Ether, 30-60°, dms., c.l., G. 3,	gal.	.14 - —
l.c.l., G. 3	gal.	.25 - —
tanks, G.3	gal.	.13 - —
35-60°, dms., l.c.l., G.3.	gal.	.30 - —
40-75°, dms., c.l., G.3.	gal.	.14 - —
l.c.l., G.3	gal.	.25 - —
tanks, G.3	gal.	.13 - —
laboratory grade, dms., c.l., G.3.	gal.	.14 - —
c.l., G.3	gal.	.25 - —
10-gal. lots, G.3	gal.	.50 - —
Lacquer diluent, at refinery:—		
California, 100 l.b.p., 200 e.p., tanks, deivd. Los Angeles.	gal.	.11 - —
San Francisco.	gal.	.11¼- —

No Greasy Residues!

One of Skellysolve's 5 Advantages As A Lacquer Diluent

by A. ERNEST MACGEE

Manager Skellysolve Division, Skelly Oil Company

A number of the chemists and plant managers in the paint, lacquer and varnish industry that I've talked to lately have mentioned the same thing: Skellysolve's lack of greasy residues helps them make better products. Its complete, rapid drying, with minimum gum formation makes Skellysolve the ideal line of solvents for manufacturers of high-quality paints.

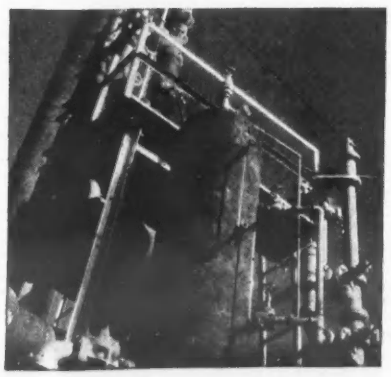
There are other advantages, too, in Skellysolve that I know you'll find equally important. One is *uniformity*. You don't have to change formulas with each shipment when you use Skellysolve, so you save trouble and money. Another advantage is *close boiling ranges*, some as low as 15 degrees F. from initial to dry flask end point. And these boiling ranges stay constant, in formulas or storage. And still another is *low evaporation losses*. This cuts costs, reduces fire hazard and tendency to blush.

And an additional great advantage, making 5 in all, is Skellysolve's dependable supply. Skellysolve's command of raw materials and ample plant capacity is your assurance of uninterrupted supply for years to come. And that's important, as many manufacturers have found when their sources of solvent failed them, causing costly delay.

So, whatever type or price of solvent you need, why not call us and talk it over. We pioneered in the development of dependable, uniform, special naphthas. We're still pioneering, in close cut fractions, and rigid quality-control. I'm sure a talk with us will pay you.

SKELLY

One of Skelly's natural gasoline plants that assure an ample supply for years to come.



SKELLYSOLVE

SOLVENTS DIVISION, Skelly Oil Co., 121 W. Wacker Drive, Chicago

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OIL, PAINT AND DRUG REPORTER

August 1, 1938

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Prepared Monthly by The U.S. Industrial Chemical Co., Inc.

SOLVENT NEWS

Reg. U. S. Pat. Off.

AUGUST ★ A Monthly Series of Articles for Chemists and Executives of the Solvent-Consuming Industries ★ 1938

Claims New Thermal Process Coats Paper Faster and Cheaper

Heated Rolls Apply Mixture of Synthetic Resins, Rubber & Wax

Arrangements for licensing the manufacture of coated paper by the new "Dry Coating" process have been completed, Bert C. Miller, the inventor. disclosed to SOLVENT NEWS recently.

"Dry Coating" is a method of applying glossy or dull, smooth finishes to paper by means of a molten mixture of synthetic resins, waxes, crepe rubber and other coating materials. Neither solvents nor vehicle carrier are utilized, according to Mr. Miller. The plastic cools and sets on contact with the paper. Papers processed by this method have the appearance and feel of other coated papers but are several times more moisture resistant, Mr. Miller said.

Cuts Cost 50-75%

Chief interest, however, centers about Mr. Miller's statement that paper can be Dry Coated at savings of 50-75% under the cost of applying other special coatings to papers of equal weight. Comparing the process with various methods. Mr. Miller told SOLVENT NEWS that the cost is comparable to those of commonly used clay or casein coatings and varnish, but is slightly in excess of wax coatings.

Reference to the basic patents covering the process reveals that Mr. Miller dissolves shredded crepe rubber in a wax heated to its melting temperature, adds to this mixture a synthetic resin and other ingredients, depending upon whether transparent, opaque, glossy or dull finishes are desired. The following is a typical formula listed:

	Percent
Rubber-wax	5
Compatible common resin	60
Stearic acid wax	5
Metallic soap	20
Non-oxidizing oil plasticizer	10

Relatively few resins may be used, Mr. Miller indicates, but modified alkyds have been employed successfully. Others found suitable

(Continued on next page)

Pigment Performance Is Predicted By New Table

HALEDON, N. J.—A new classification system for pigments utilizing 11 basic groupings has been announced here by V. C. Vesce of the Harmon Color Works.

In place of previous systems based upon hue and color, Mr. Vesce has substituted groupings into which any given pigment may conveniently be placed by means of a few simple chemical tests.

Apart from simplifying the analytical study of pigments, the new system has been found especially adaptable in predicting a use for a pigment where another in the same class has been utilized. according to Mr. Vesce.

Believing that many SOLVENT NEWS readers would like to have copies of Mr. Vesce's article, it will be published in the 4-page SOLVENT NEWS folders mailed without charge to subscribers. To receive your copies, simply write to U.S.I. and ask that your name be added to the SOLVENT NEWS mailing list.

A.O.A.C. Adopt S.D. 30 For Fatty Acid Determination

MENASHA, Wisconsin—Specially denatured alcohol formula No. 30 has been adopted by the Association of Official Agricultural Chemists for the determination of free fatty acid content of crude and refined oils, according to the Association's *Journal*.

In the method described, the fatty acids are titrated with caustic soda dissolved in S.D. 30 (Authorized Composition: to 100 gallons of ethyl alcohol add 10 gallons of pure methyl-alcohol).

Non-Fiber Raising Stain Made With Ethyl Lactate

CLEVELAND, Ohio—By combining water with selected organic solvents so that all the water evaporates before the organic solvent, wood stains which are non-fiber-raising and non-bleeding may be produced, it is claimed in a patent issued to an inventor here.

"The organic solvents seem to exert a protective action on the wood fiber, preventing the water from soaking into the cells," the inventor asserts. At the same time, he adds, the combination makes it possible to use water-soluble dyes which have relatively good light-fastness and no tendency to bleed into lacquer finishing coats.

Citing an example of his invention, the patentee lists the following formulation which "will not raise the fiber on any wood at any working temperature."

	Parts by Wgt.
Water-soluble dye	0.25
Water	2
Ethyl lactate	5
Methanol denatured alcohol	3

The dye is first dissolved in the water, ethyl lactate added, and then alcohol. A formulation of this type will not leave a greasy residue, it is stated.

[Ethyl Lactate is a product of U.S.I.]

U.S.I. Phenol Resins Eliminate Need For Large Inventories

N-100, N-300 and QD-1 Types May be Adapted to Most Needs

Greater interest in and acceptance of the idea that no large number of phenolic resins is needed to meet the requirements of modern varnish formulation is indicated by the increasing tendency for manufacturers to standardize on three phenolics manufactured by the Synthetic Resin Division of the U.S. Industrial Alcohol Co.

Employed in proper combination and blend, these three resins—Rauzene N-100, Rauzene N-300 and Rauzene QD-1—make possible a substantial reduction in resin inventories without sacrificing, at the same time, any of the well recognized advantages of the phenolic class.

This is the second of a series of articles which outline some of the applications of U.S.I. synthetic resins. Later articles will cover alkyds and copal esters.

Varnishes formulated with Rauzene N-100, a 100% phenolic of the heat-reactive, heat-hardening type, are outstanding in their resistance to strong alkali, acid, and boiling water. Just a few of the many finishes for which N-100 is preferred are exterior enamels, spar and marine finishes, and even whites. In the latter use, N-100 probably outranks comparable grades of 100% phenolics.

Yet, with all its versatility, N-100 is one of the most easily handled resins, since its reaction in the varnish kettle with chinawood and other oils is completely controllable. A special point in its favor lies in the fact that cooking at temperatures of 460° F. gives complete gasproofness with wood oil.

In addition to this, mineral spirits can be used as the sole thinner in all oil lengths. As a result, N-100 is probably one of the most acceptable 100% phenolics for finishes that require extreme hardness combined with great flexibility.

A second broad type of phenolic resin manufactured by U.S.I. is Rauzene N-300, which has been

(Continued on next page)

PAINT MANUFACTURERS faced with the problem of keeping resin inventories low can use three U.S.I. phenolic resins to produce a variety of finishes. Samples of these resins (described above) may now be secured from U.S.I.

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AUGUST ★ SOLVENT NEWS ★ 1938

Reduce Resin Inventory With U.S.I. Phenolics

(*Continued from preceding page*)

modified to give it special properties such as fast drying. The phenolic base from which N-300 has been derived is of the non-yellowing type so that very fine whites can be produced from vehicles containing this resin.

A typical application where the toughness of N-300 may be utilized is in floor varnishes. Another well-recognized use is in "four-hour" enamels.

In the lower priced class, but with many special advantages of its own, is Rauzene QD-1, also a modified phenolic. While QD-1 is not designed for white formulations, it has numerous other applications in clear varnishes and colored enamels where it imparts extreme hardness and very fast, tough drying.

Special Grades Available

Like N-100 and N-300, QD-1 is also easily handled, and requires merely routine care to obtain best results. Any type of dryer may be used, either solid types, cooked in, or liquid types added after thinning.

In addition to the three fundamental phenolic types described above, U.S.I. manufactures several special grades which are supplied to fulfill certain specific requirements where definite characteristics are needed. A reference chart describing the complete line of U.S.I. phenolics will be supplied upon request.

Report World Chemical Industry Up During '37

WASHINGTON, D. C. — Considerable improvement in the financial condition of the chemical industry is reported in "World Chemical Developments In 1937" just published by the Dept. of Commerce, Bureau of Foreign and Domestic Commerce. A copy of the highly informative 221-page booklet which is Trade Promotion Series No. 177 may be obtained from the Superintendent of Documents for 25 cents.

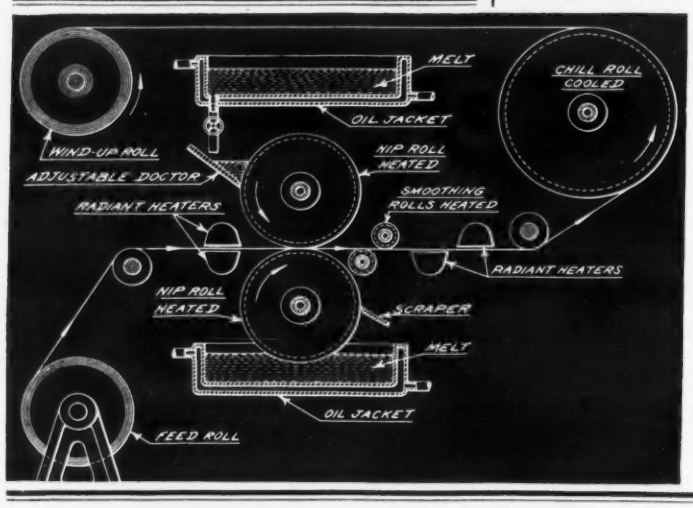
New Heat Process Coats Paper Faster and Cheaper

(*Continued from preceding page*)

include varieties of modified phenolics. The plasticizer may be diamyl- or dibutyl-phthalate.

"Dry Coating" is essentially a surface coating, Mr. Miller emphasized. Poorly formed papers or very porous bases may be coated with very little penetration and no curling. Heavy films of six or eight pounds per 1,000 square feet, can be produced in one application, he said. In addition, Mr. Miller pointed out, the coating can be used for laminating.

At present the "Dry Coating" method cannot be applied to paper in sheet form because of manufacturing difficulty arising from immediate setting of the coating and the necessary control of tension, Mr. Miller explained. It can, however, be applied either before or after printing. Inks used for printing over the coating must dry by oxidation. Fifty different compositions have been developed to meet varying needs.



"DRY COATING"

One or both sides of the paper may be coated with the equipment shown at left. The melt is kept at approximately 275-300° F. Paper passing from the feed roll through heated nip rolls receives a coating of predetermined thickness and moves on to a chill roll cooled preferably to sub-zero temperatures. Speeds ranging from 50 to 500 feet per minute are practical, according to Mr. Miller, inventor of the process.

(*From B. C. Miller's patent.*)

TECHNICAL DEVELOPMENTS

Further information on these items may be obtained by writing to U.S.I.

Development of a new germicide and fungicide with a phenol coefficient of 57 against *E. typhi* was announced recently. It is intended for use in the production of aqueous antiseptic solutions and the preservation of adhesives, pastes, hides, dextrine, albumen, etc. The product is said to be water-soluble, non-irritating to the skin and relatively non-toxic, especially in the low concentrations of practical use. **(No. 121)**

U S I

Amorphous waxes said to be good substitutes for beeswax and also for ozokenite in many applications have been introduced. The melting points range around 165°F. but films of the waxes are unaffected by submersion in water at 175°F., according to the manufacturer. The waxes are tasteless and odorless as well as plastic at freezing temperature, and remain amorphous after continued or repeated heating, he adds. **(No. 122)**

U S I

A new type of cedar-leaf oil for paints is described as a heavy viscous product like cedarwood oil, but which has all of the virtues of the original leaf oil, without its extreme volatility. This oil is said to possess strong insecticidal properties as well as an extremely fragrant and pleasing odor. **(No. 123)**

U S I

Postitive detection of leaks in refrigeration systems using chlorinated hydrocarbon refrigerants is claimed for a new halide leak detector. The detector uses an alcohol-type fuel said to burn with a distinctive color in presence of such refrigerants as Artic, Carrene, Freon, etc. **(No. 124)**

U S I

A new emulsifying-type disinfectant is said to have an unusually pleasing lilac odor, a phenol coefficient of 5 and is non-toxic, -corrosive, -irritating, -caustic or -poisonous. It is also stated that the material does not deteriorate with age and possesses an odor so pleasant that it can be diluted with water and used as a theatre spray deodorant. **(No. 125)**

U S I

Ninety-nine per cent of the paint pigment in fumes from paint spray booths can be removed by a new efficient and economical device which employs a set of precipitator plates and a water curtain, according to a recent announcement. **(No. 126)**

U S I

Perfect wood grains, marble effects, and other designs can be produced on either wood or metal by means of a new graining process, according to the developer. The process is expected to be of particular interest to manufacturers of home furnishings. **(No. 127)**

U S I

Lacquer spray and solvent hose lined with high-grade synthetic rubber material is said to resist the action of oils and commonly used paint solvents, even at temperatures up to 150°, without swelling. The hose is available in sizes from ¼- to ¾-in., an announcement continues. **(No. 128)**

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Refined Fusel Oil
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ETHYL ETHER
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U.S.P., U.S.P. Flexible and Photo

NITROCELLULOSE SOLUTIONS

DIAMYL PHTHALATE
DIBUTYL PHTHALATE
DIETHYL PHTHALATE
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ACETIC ETHER
AMYL ACETATES
High Test Commercial
Technical Secondary
BUTYL ACETATES
Normal and Secondary
***DIATOL**
DIETHYL CARBONATE
ETHYL ACETATES
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ETHYL LACTATE
ISOPROPYL ACETATE
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ACETOACET-O-TOLUIDID
ETHYL ACETOACETATE
SODIUM ETHYL OXALACETATE
PARACHLOR-O-NITRANILINE

ACETONE
DIBUTYL OXALATE
DIETHYL OXALATE
ETHYL CHLORCARBONATE
ETHYLENE
URETHANE

***CURBAY BINDER**
POTASH BY-PRODUCTS

*Trade-mark registered

Petroleum, lacquer diluent, at rfy., California, f.o.b. Richmond..gal. .11 - —
Willbridge, Ore., Pt. Wells, Wash..gal. .12 - —
East Coast, tanks....gal. .12 - .12¼
Group 3, tanks.....gal. .07⅝- .07⅝
Naphtha, cleaners', at refinery:—
East Coast, tanks....gal. .10 - —
Group 3, tanks.....gal. .06⅜- .06⅝
tankwagon, Boston, ex tax, gal. .13 - —
Bridgeport .....gal. .13½- —
Chicago, inc. 4c. tax..gal. .17½- —
Decatur, inc. 4c tax..gal. .194 - —
Des Moines, inc. 4c. tax.gal. .192 - —
Evansville, inc. ex tax.gal. .14½- .15⅛
Milwaukee, inc. 5c. tax, gal. .206 - —
Minneapolis-St. Paul, inc. 5c. tax..gal. .208 - —
Newark, ex tax.....gal. .12 - —
New York, ex tax.....gal. .12 - —
Omaha, ex tax.....gal. .144 - .154
Oklahoma City, ex tax.gal. .16 - —
Philadelphia, ex tax...gal. .11½- —
St. Louis, inc. 1c. tax.gal. .15 - —
Syracuse, 150 gals.....gal. .14 - —
smaller lots, galv. drums. gal. .16 - —
milk cans.....gal. .21 - —
high-solvency aromatic, No. 1, over 70% arom., tanks, f.o.b. Bayway..gal. .16 - —
2, over 90% arom., same basis..gal. .18 - —
3, tanks, f.o.b. Bayway..gal. .18 - —
8, tanks, f.o.b. Paulsboro, N. J..gal. .14 - —
30, same basis.....gal. .16 - —
40, same basis.....gal. .14½- —
V. m. & p., at refinery:—
California, 46.5, 254 i.b.p., 380 e.p., tanks, f.o.b. El Segundo..gal. .11 - —
Richmond..gal. .11½- —
Willbridge, Ore., Pt. Wells, Wash..gal. .12 - —
54-57, 190 i.b.p., 310 e.p. tanks, dlvd. Los Angeles..gal. .10 - —
San Francisco..gal. .10½- —
Portland, Seattle..gal. .11 - —
East Coast, tanks.....gal. .10 - —
Group 3, tanks.....gal. .06⅜- .06⅝
tankwagon, Boston, ex tax gal. .13 - .14
Chicago, inc. 4c. tax..gal. .16½- —
Decatur, inc. 4c. tax..gal. .194 - —
Des Moines, inc. 4c. tax.gal. .192 - —
Evansville, Ind., ex tax.gal. .147 - .157
Milwaukee, inc. 5c. tax.gal. .206 - —
Minneapolis-St. Paul, inc. 5c. tax..gal. .208 —
Newark, ex tax.....gal. .12½- —
New York, ex tax.....gal. .11 - —
Omaha, ex tax.....gal. .144 - .154
Philadelphia, ex tax...gal. .12½- —
St. Louis, inc. 1c. tax.gal. .16 - —
Solvent, rubber, at refinery, East Coast, tanks..gal. .09½- .10
Group 3, light, 120 i.b.p., 250 e.p., tanks...gal. .06⅜- .06⅝
standard, 180 i.b.p., 288 e.p., tanks..gal. .06⅜- .06⅝
Stoddard (CS 3-38), at refinery:—
East Coast, tanks....gal. .10 - —
Group 3, tanks.....gal. .05⅞- .06⅛
tankwagon, Boston, ex tax, gal. .12½- .13⅜
Chicago, inc. 4c. tax..gal. .159 - —
Decatur, inc. 4c. tax..gal. .184 - —
Des Moines, inc. 4c. tax.gal. .182 - —
Evansville, Ind., ex tax.gal. .135 - .145
Milawukee, inc. 5c. tax.gal. .196 - —
Minneapolis-St. Paul, inc. 5c. tax..gal. .177 - —
Newark, ex tax.....gal. .09½- .11½
New Orleans, ex tax..gal. .11 - —
New York, ex tax.....gal. .09½- .11½
Omaha .....gal. .131 - .14
Philadelphia, ex tax...gal. .10½- .12½
St. Louis, inc. 1c. tax.gal. .139 - —
Syracuse .....gal. .10 - .11
Thinner, at refinery:—
California, 34, 325 i.b.p., 390 e.p., low anilin, tanks f.o.b. Los Angeles....gal. .14 - —
Portland, Ore.....gal. .15 - —
Richmond .....gal. .13½- —
Seattle, Wash....gal. .15½- —
44, 311 i.b.p., 385 e.p., tanks, f.o.b. Point Wells, Wash.; Willbridge, Ore., gal. .10½- —
Richmond .....gal. .10 - —
Southern Calif....gal. .09½- —
66, 200 i.b.p., 300 e.p., tanks, f.o.b. El Segundo..gal. .11 - —
Portland, Ore....gal. .12 - —
Richmond .....gal. .11½- —
Seattle, Wash....gal. .12 - —
East Coast, 43-47, tanks.gal. .09½- .10
47-49, tanks.....gal. .09½- .10
New Jersey, tanks...gal. .09 - —
Group 3, tanks.....gal. .05⅜- .05⅝
tankwagon, tax included:—
Albany .....gal. .13 - —
Baltimore (100 gals.)..gal. .12½- .15½
25-99 gals. .....gal. .13½- .15½
Boston .....gal. .12½- .13½
Bound Brook, North Amboy, N. J..gal. .11½- .13½
Bridgeport, Conn.....gal. .11½- —
Buffalo .....gal. .12½- —
Camden, N. J.....gal. .10 - .12
Chicago .....gal. .162 - —
Decatur, Ill.....gal. .184 - —
Des Moines.....gal. .182 - —
Evansville, Ind. .....gal. .137 - .147
Milwaukee .....gal. .196 - —
Minneapolis-St. Paul...gal. .198 - —
Newark .....gal. .09½- —
New York (260 gals.)..gal. .09½- .11
Omaha .....gal. .131 - .141
Philadelphia .....gal. .10 - —
Pittsburgh .....gal. .12 - .14
Providence .....gal. .12½- .13½
Rochester .....gal. .12 - —
St. Louis.....gal. .15 - —
Syracuse .....gal. .14 - —
Trenton .....gal. .11½- .14
Wilmington, Del. ....gal. .11½- .13½
Phenobarbital, bots., 5 lbs....lb. 4.35 - —
bots. or cns., spot or contract, 100 lbs..lb. 4.00 - —
cns., 25 lbs.....lb. 4.25 - —
Phenol, USP, dms., c.l., works, frt. equald..lb. .14½- .15½
l.c.l., same basis.....lb. .15½- .16¼
under 1,000 lbs.....lb. .16¼- .17¼
tanks, works.....lb. .13⅛- —
Phenolphthalein, USP, bbls., dms. 2,000-lb. lots..lb. .85 - —
bbls., dms., kegs, 100-250 lbs. lb. .87 - .89
Phenolphthalein, yellow, fib., dms., 2,000-lb. lots..lb. .80 - —
100-lb. fib., dms.....lb. .82 - —
25-lb. dms.....lb. .87 - —
50-lb. kgs.....lb. .84 - —
Phenyl chloride, dms.....lb. .17 - —
Phenylacetaldehyde, bots.....lb. 2.25 - 3.50
Dimethylacetate, cns.....lb. 14.50 -15.00
Phenylethylphenyl acetate, bots., lb. 7.90 -15.50
Phenylhydrazine base, CP, bots., lb. 4.00 - —
Hydrochloride, CP, bots., works..lb. 4.00 - —
commercial, kgs., works...lb. 1.50 - —
pure, bbls., works.....lb. 2.25 - —
Phlorogiucinol, CP, tins, works.lb. 20.00 -22.00
tech., tins, works.....lb. 15.00 -16.50
Phosphate rock, Fla., high-grade, hard, 77% basis, 76% min., bulk, mines..long ton. 4.35 - —
land pebble, 68% min., bulk, mines..long ton. 1.85 - —
70% min., bulk, mines, long ton. 2.35 - —
72% min., bulk, mines, long ton. 2.85 - —
75% basis, 74% min., bulk mines..long ton. 3.85 - —
Tenn., 72% bulk, mines, long ton. 4.50 - —
75%, bulk, mines..long ton. 5.50 - —
Phosphorus, red, cs. .....lb. .40 - .44
Yellow, cs. .....lb. .24 - .30
Phosphorous, oxychlorige, cyls.lb. .15 - .18
Sesquisulphide, cs.....lb. .38 - .42
Trichloride, cyls.....lb. .15 - .18
Phthalamide, bbls., tons.....lb. .35 - —
single bbls.....lb. .40 - —
kgs. .....lb. .45 - .50
Phthalic anhydride, bbls., c.l., works, frt. alld. E. of Miss. R..lb. .14½- —
l.c.l., same basis.....lb. .15½- —
Pichi leaves, bgs.....lb. .10 - .12
Pilocarpine hydrochloride, bots., vis..oz. 2.40 - 2.50
Nitrate, bots., vis.....oz. 2.90 - 3.09
Pimento, bgs. .....lb. .16 - .16¼
Pinkroot, bls. .....lb. .35 - .36
Pitch, Burgundy (see B)
Coaltar, 160° m.p., bbls., c.l., works..ton. 19.00 - —
l.c.l. .....ton. 22.00 - —
hardwood, 1-time, dm., c.l., dlvd. Akron..ton. 23.75 -24.00
linseed, dms. .....lb. .05 - .05¼
Petroleum (see Asphaltum, Mexican, Texas)
Pine, bbls. .....lb. 6.00 - 6.25
Plaster of paris (see Gypsum).
Pleurisy root, bls. .....lb. .11 - .12
Podophyllin, dms. .....lb. 4.65 - 4.90
Poke root, bls. .....lb. .07½- .08
Pomegranate bark, bgs.....lb. .16 - .17
Root bark, bgs.....lb. .35 - .36
Poppy flowers, red, bls.....lb. .75 - .85
Seed, Dutch, bgs.....lb. .10 - .10½
Polish, bgs. .....lb. .10 - .10½
Potash abietate .....lb. .08 - —
Acetate, tech., bbls., dlvd..lb. .26 - —
kgs., dlvd. .....lb. .28 - —
USP, bbls., 250 lbs.....lb. .28 - —
kgs., 100 lbs. .....lb. .30 - —
cns., 25 lbs. .....lb. .33 - —
Arsenite, USP, solut., cbys., 100 lbs..lb. .11 - —
demj., 50 lbs. .....lb. .12 - —
Bicarbonate, USP, cryst., bbls. 300 lbs. .15 - —
kgs., 100 lbs.....lb. .17 - —
gran., bbls., 250 lbs.....lb. .15 - —
kgs., 100 lbs.....lb. .17 - —
Bichromate, spot, c.l., works.lb. .08⅞- —
6 casks or 10 bbls., or over, works..lb. .09 - —
5 casks or 9 bbls., or less, works..lb. .09¼- —
Binoxalate, dms.....lb. .23 - —
Bisulphate, kgs.....lb. .14 - .18
Bromide, USP., gran., bbls., 500 lbs..lb. .31 - —
fib., dms., 100 lbs.....lb. .32 - —
Carbonate, calc., dms., c.l., works..lb. .06½- —
l.c.l., same basis.....lb. .06¾- —
hydrated, 83-85%, bbls., c.l., works..lb. .05½- —
l.c.l., same basis.....lb. .05¾- —
liquid, dms., c.l., dlvd.....lb. .03 - —
l.c.l., dms.....lb. .03¼- —
tanks, dlvd.....lb. .0287½- —
USP, gran., bbls., 325 lbs., lb. .14 - —
powd., bbls., 325 lbs.....lb. .19 - —
kgs., 100 lbs.....lb. .21 - —
Caustic, flake, 88-92%, dom., dms., c.l., works..lb. .07 - —
l.c.l. .....lb. .07¼- .07½
Import, dms.....lb. .07 - .07½
liquid, 45% basis, dms.....lb. .03¼- .03½
tanks .....lb. .02⅞- —
solid, 88-92%, dom., dms., c.l., works..lb. .06¼- —
l.c.l. .....lb. .06½- .06¾
import, csks.....lb. .06¼- .06¾
Chlorate, cryst., kgs.....lb. .09¼- .09¾
gran., kgs.....lb. .12 - .13
powd., kgs.....lb. .08½- .09
Chloride, tech., 98%, cryst., bgs., kgs..lb. .04 - .06
Chromate, kgs.....lb. .24 - .27
Citrate, USP, gran., bbls., 250 lbs..lb. .33½- —
kgs., 100 lbs.....lb. .34½- —
cns., 50 lbs.....lb. .35½- —
cns., 25 lbs.....lb. .37½- .38¼
Cyanide, cns., dms.....lb. .50 - .55
Glycerophosphate, 75%, sol., dms., 1,000-lb. lots..lb. .90 - —
100-lb. lots.....lb. 1.00 - —
50-lb. lots, cbys. or cns. lb. 1.05 - —
25-lb. lots, cns.....lb. 1.15 - —
Guiaiacolsulphonate, fib., dms., 100 lbs. 1.65 - —
cns., 25 lbs.....lb. 1.75 - —
Hydroxide, USP, sticks, cns.... 100 lbs. .30½- .32
Hypophosphite, cns., 100 lbs. lb. .72 - —
25 to 50 lbs.....lb. .75 - —
Iodate, bots., 5 lbs.....lb. 3.31 - 3.35
cns., 25 lbs.....lb. 3.20 - —
Iodide, bbls., 250 lbs.....lb. 1.13 - —
bots., or cns.....lb. 1.22 - 1.48
dms. .....lb. 1.13 - 1.16
Kainit, 20% K_2O, bulk, c.l.f., ports..ton. 12.25 - —

Prices for potash kainit, manure salts, muriate, sulphate and potash magnesia sulphate for July 1938-May 1939 are subject to discount according to the time orders are placed and the time of delivery. See fertilizer market report for particulars.

Manure salt, dom., run of mine, approx. 30% K_2O, bulk, c.l.f. ports, unit-ton. .58½- —
Import, 30% K_2O, bulk, shipt. unit-ton. .58½- —
Metabisulphite, kgs.....lb. .12 - .13½
Muriate, dom., all strengths, min., 50% K_2O bulk, unit-ton .53½- —
import, all strength, min. 80% KCl, basis 50% K_2O, bulk, c.l.f. ports., unit-ton. .53½- —

Potash muriate prices in bags are $2 per ton higher than bulk price.

Oxalate, pure, cryst., kgs..lb. .30 - .31
tech., bbls.....lb. .25 - .28
Nitrate, crude, bgs., c.l.f. ports. ton. 55.00 Nom.
Perchlorate, kgs., works....lb. .09 - .10½
Permanganate, tech., dms...lb. .18½- .19
Prussiate, red, bbls.....lb. .30½- .34
Yellow, bbls. .....lb. .15 - .16
Ricinoleate, tech., bbls.....lb. .13 - —
Silicate alkaline, lump, bgs., lb. .07 - —
Potash, sulphate, NF, cryst., bbls., 400 lbs..lb. .13 - —
kgs., 100 lbs.....lb. .15 - —
powd., bbls., 350 lbs.....lb. .14 - —
kgs., 100 lbs.....lb. .16 - —
tech., 90-95%, min. 90%, bgs., shipt., c.l.f. ports..ton. 38.00 - —
l.c.l. .....lb. .13½- —
Xanthate, dms., c.l.....lb. .13 - —
Potash-magnesia sulphate, 48-53%, min. 48%, bgs., shipt. ton. 25.75 - —
Potash-titanium oxalate, kgs...lb. .35 - .40
Prickly ash bark, bls.....lb. .11 - .12
Berries, bls.....lb. .15 - .16
Prince's pine herb, bls.....lb. .21 - .25
Propane, tanks, G.3.....gal. .03 - —
Psyllium seed (see Fleaseed).
Pulsatilla, bls. .....lb. .17 - .18
Pumice stone, Italian, Amer.-grd., 4F, 3F, 2F, 1½F, and coarser, bbls., 3 or over, works..lb. .03 - —
less than 3, works..lb. .03½- —
F and 1, bbls., 3 or over, works..lb. .03½- —
less than 3, works..lb. .04 - —
O, O-½, O-⅝, and ½, bbls., less than 3, works..lb. .04½- —
3 or over, works..lb. .04 - —
Ital.-grd., bgs., c.l., shipt. ex dock, N.Y..ton. 32.85 Nom.
l.c.l., 5-29 tons, ex whse., ton. 37.70 - —
1,000-10,000 lbs., ex whse..ton. 38.70 - —
2 bgs. to 1,000 lbs., ex whse..ton. 40.70 - —
single bgs., ex whse.ton. 45.70 - —
Pumpkin seed, bgs.....lb. .10 - .12
Purple lake (see Red).
Putty, com'l, dms.....100 lbs. 3.00 - —
linseed oil, raw, dms.....100 lbs. 4.50 - —
refined, dms.....100 lbs. 5.00 - —
standard, dms.....100 lbs. 3.95 - —
Pyrethrum concentrate, liq. (20 to 1), basis 2.4% pyrethrins (Seil test) 55-gal. dms. (incl.) frt. alld. E. of Rockies, standard brand..gal. 6.40 - 6.75
basis (30 to 1) 3.6% pyrethrins 55-gal. dms., (incl.) frt. alld. E. of Rockies, standard brand..gal. 9.60 - 9.95
Pyrethrum, flowers, coarse, grnd. (g.d.p.), Japan, bgs., frt. alld., 15 tons or over..lb. .27 - .28½
fine powd. Japan, bbls., ton lots frt. alld..lb. .28 - .30
Pyridin, denaturing, dms....gal. 1.53 - —
refd., 2°, dms. .....lb. .45 - —
Pyrites, Spanish, bulk, c.l.f. Atl. ports..unit-ton. .12-13 Nom.
Pyrocatechin, CP, cryst., works, fib, dms, tins..lb. 2.15 - 2.40
resublimed, fib. dms., tins..lb. 4.60 - —
Pyrophyllite, standard, 200 mesh, c.l. mines..ton. 9.00 - —
325 mesh, same basis.....ton. 12.00 - —
No. 3, 200 mesh, c.l. mines.ton. 7.50 - —
325 mesh, same basis.....ton. 10.50 - —
Pyroxylin, scrap, amber, cs., works..lb. .15 - —
black, cs., works.....lb. .10 - —
China white, ivory, cs., works..lb. .16 - —
dense white, cs., works..lb. .12 - —
gray, cs., works.....lb. .10 - —
mixed, mottles, opaque, cs., works..lb. .04 - —
shell-dem, cs., works....lb. .12 - —
translucent pastels, cs., works..lb. .10 - —
transparent, cs., works...lb. .20 - —
colors, cs., works.....lb. .12 - —
shavings, amber, cs., works..lb. .16 - —
colors, mixed, cs., works.lb. .10 - —
white, cs., works.....lb. .15 - —

Q

Quassia, chips, bls.....lb. .05 - .06
Quebracho extract, liquid, 25% tan., bbls., works..lb. .03⅝- —
tanks, works.....lb. .02⅞- —
solid, 63%, bgs, c.l., ex dock, plus duty..lb. .04 - —
clarified, 64%, bgs., c.l., same basis..lb. .04¼- —
Queen of the meadow leaves, bgs..lb. .07 - .08
Root, bgs.....lb. .09 - .10
Quercitron, extract, liquid, 51°, bbls..lb. .07½- .08¼
solid, dms.....lb. .10 - .15⅛
Quicksilver, dom., flasks (76 lbs. net), dlvd., N.Y..flasks. 76.50 -84.50
Quince seed, bgs.....lb. .85 - 1.00
Quinidine, cryst., small cns...oz. .96 - —
large, cns.....oz. .98 - —
powd., precip., cans.....oz. .91 - —
Sulphate, cns.....oz. .67 - —
Quinine, 100 ozs., cns.....oz. .76 - —
Acetate, cns.....oz. .99 - —
Arsenate, cns.....oz. .99 - —
Arsenite, cns.....oz. 1.01 - —
Bisulphate, cns.....oz. .54 - —
Citrate, cns.....oz. .72 - —
Dihydrobromide, bots.....oz. .75 - —
Dihydrochloride, bots.....oz. .75 - —
Ethylcarbonate, cns.....oz. .75 - —
Ferrocyanide, cns.....oz. 1.01 - —
Formate, cns. .....oz. .94 - —
Glycerophosphate, cns.....oz. 1.14 - —
Hydrochloride, cns.....oz. .68 Nom.
Hydrochlorosulphate, cns....oz. .75 - —
Hydroiodide, cns.....oz. .99 - —
Hypophosphite, cns.....oz. .99 - —
Phosphate, cns.....oz. .82 - —
Salicylate, cns.....oz. .73 - —
Sulphate, U.S.P. X, cns.....oz. .54 - —
U.S.P. XI, cns.....oz. .61 - —
Sulphocarbolate, cns.....oz. .97 - —
Tannate, cns.....oz. .57 - —
Tartrate, cns.....oz. .97 - —
Valerate, cns.....oz. .93 - —
Quinine-urea hydrochloride cns.oz. .75 - —

R

R, salt, dry, bbls.....lb. .55 - —
paste, dms. .....lb. .52 - —
Rapeseed, Belgian, bgs.....lb. .06½- .07
Dutch, bgs. .....lb. .06½- .07
Japanese, bgs.....lb. .06¾- .06½
Raspberries, dried, bls.....lb. .50 - .55
Red, alizarin lake, bbls., dlvd. N. of Tenn. and N.C., E. of Miss. R., including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis..lb. 1.10 - 1.90

Red, Alizarin lake prices are ½c. higher dlvd. Ala., Fla., Ga., Ia. (Shreveport, 1¼c.), Miss., N. C., S. C., Tenn., Tex. (Dallas, Ft. Worth, 1¼c.; El Paso, 2c.), Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph; ½c. higher dlvd. Pac. Coast; for Denver, Pueblo, Salt Lake City, Wichita, prices are equalized with Chicago.

Red, cadmium, lithopone, deep shade, bbls., ton lots, works, frt. alld..lb. .85 - —
smaller lots, same basis, lb. .90 - —
kgs., ton lots, same basis, lb. .90 - —
smaller lots, same basis, lb. .95 - —
light shade, bbls., ton lots, same basis..lb. .70 - —
smaller lots, same basis, lb. .75 - —
kgs., ton lots, same basis, lb. .75 - —
smaller lots, same basis, lb. .80 - —
light-medium shade, bbls., ton lots, same basis..lb. .75 - —
smaller lots, same basis, lb. .80 - —
kgs., ton lots, same basis, lb. .80 - —
smaller lots, same basis, lb. .85 - —
maroon shade, bbls., ton lots, same basis..lb. .95 - —
smaller lots, same basis, lb. 1.00 - —
kgs., ton lots, same basis, lb. 1.00 - —
smaller lots, same basis, lb. 1.05 - —
medium shade, bbls., ton lots, same basis..lb. .80 - —
small lots, same basis, lb. .85 - —
kgs., ton lots, same basis, lb. .85 - —
smaller lots, same basis, lb. .90 - —
selenide, bbls., dark, works.lb. 2.50 - —
light, works .....lb. 2.25 - —
Orange, bbls., 100-lb. lots, works..lb. 1.50 - —
Carmine, 40 1-lb. cns., 500 lbs., lb. 4.15 - —
dms., 500-lb. lots.....lb. 4.00 - —
100-lb. lots .....lb. 4.10 - —
Crocus martis (see Red, purple oxide.)
Eosin toner, bbls.....lb. 1.50 - 1.60
Indian, pure, bbls., f.o.b. Bethlehem, Easton, E. St. Louis, N. Y..lb. .08¾- —
80%-85%, bbls., same basis..lb. .07¼- —
Iron oxide (see Red, oxide).
Lake C toner, bbls., same basis a'izarin lake, contracts.lb. 1.25 - —
open order.....lb. 1.30 - —
Lithol toner, bbls., same basis, alizarin lake, contrs..lb. .75 - —
open order.....lb. .80 - —
Rose lake, bbls.....lb. .20 - .30
Pink, bbls.....lb. .15 - .20
Lithol-rubin toner, bbls., same basis alizarin lake..lb. 1.35 - —
Maroon lake, 25%, kgs., same basis alizarin lake contracts. lb. .40 - —
Oxide (see Red, purple oxide).
Mercury oxide, tech., dom.... bbls..lb. 1.26 - —
Metallic, bbls., Pa., works..lb. .02 - —
Orange, Persian (see O).
Oxide, pure, bbls., c.l., works, lb. .08½- —
l.c.l., works.....lb. .09¼- —
reduced, 85% copperas oxide, bbls., l.c.l., f.o.b. Bethlehem, Easton, E. St. Louis, New Castle, N.Y..lb. .08¼- —
80% copperas oxide, bbls., same basis..lb. .07¾- —
Para, toner, concent., kegs, same basis alizarin lake, contracts..lb. .75 - —
open order.....lb. .80 - —
Persian Gulf oxide, bbls., l.c.l., f.o.b. Bethlehem, Easton, N. Y..lb. .04½- .04¾
ex whse., Chicago, St. Louis..lb. .05¾- —
San Fran., Los Ang., Portland, Seattle..lb. .05 - —
Phloxin toner (see Red, Eosin toner)
Phosphotungstic rhodamine Y, kgs..lb. 3.90 - —
Purple lake, kegs.....lb. .60 - 1.00
Oxide, bbls., f.o.b. Bethlehem, Easton, E. St. Louis..lb. .03 - —
Toner, kgs.....lb. 1.50 - 2.00
Scarlet ink toner, kgs., same basis alizarin lake..lb. .45 - —
Lake, kgs., same basis alizarin lake..lb. .25 - .30
Spanish oxide, bbls., f.o.b. N.Y., lb. .03¾- .0390
Toluidin toner, kgs., same basis alizarin lake..lb. 1.35 - —
Tuscan, bbls., f.o.b. N. Y., E. St. Louis..lb. .11 - .40
Venetian, bbls., works.....lb. .0220- —
10%, bbls., works.....lb. .0245- —
15%, bbls., works.....lb. .0255- —
20%, bbls., works.....lb. .02¾- —
25%, bbls., works.....lb. .03 - —
30%, bbls., works.....lb. .03¼- —
35%, bbls., works.....lb. .0360- —
40%, bbls., works.....lb. .04 - —
Vermilion, Amer., bbls., same basis alizarin lake..lb. .15 - —
English quicksilver, bbls., 500 lb. 1.55 - —
smaller lots.....lb. 1.56 - 1.69
Red dyes are listed under Dyes.
Red precipitate, N. F., powd., fib. dms., 50 lbs. or more..lb. 1.51 - —
Red saunders wood, ground, bbls. lb. .12 - .17
Resorcinol, tech., dms., works.lb. .75 - .80
USP, cryst., bbls., works...lb. 1.50 - 1.55
Rhatany root, bgs.....lb. .09 - .10
Rhodinol, bots. .....lb. 6.65 -13.00
Rhubarb root, cs.....lb. .32 - .33
powd., bbls., kgs.....lb. .36 - .37
Rochelle salt, cryst., bbls., 5,000 lbs., 1 shipm't..lb. .17¾- —
smaller lots.....lb. .18¼- —
powd., bbls., 5,000 lbs., 1 shipt..lb. .16¾- —
smaller lots.....lb. .17¼- —
Rose flowers, pale, bls.....lb. .25 - .28
red, bls.....lb. 2.25 - 2.30
Rosemary flowers, bls.....lb. .25 - .30
Leaves, bls.....lb. .05 - .06
Rosin, gum B, bbls., ex docks, 280 lbs. 4.75 - —
D, bbls.....280 lbs. 5.10 - —
E, bbls.....280 lbs. 5.50 - —
F, bbls.....280 lbs. 6.00 - —
G, bbls.....280 lbs. 6.00 - —
H, bbls.....280 lbs. 6.00 - —
I, bbls.....280 lbs. 6.00 - —
K, bbls.....280 lbs. 6.00 - —
M, bbls.....280 lbs. 6.05 - —
N, bbls.....280 lbs. 6.75 - —
W. G., bbls.....280 lbs. 7.20 - —
W. W., bbls.....280 lbs. 7.55 - —
X, bbls.....280 lbs. 7.95 - —
Rottenstone, dom., bgs., c.l., f.o.b. mines..ton. 35.00 - —
l.c.l., ex whse.....ton. 50.00 - —
Rue, import., lump., bbls.....lb. .12 - —
powd., bbls. .....lb. .08½- .10
Rue, bls. .....lb. .15 - .16

Sabadilla—Superphos.

S

Sabadilla seed, powd., bbls....lb. .19 - .20
Saccharin, dms., 100 lbs.....lb. 1.70 - —
cns., 25 lbs.....lb. 1.75 - 2.05
Safflower, bls.....lb. .25 - .26
Saffron, Mexican, bls.....lb. .28 - .29
Spanish, tins.....lb. 28.00 -30.00
Safrol, cns.....lb. .52 - .53
dms.....lb. .50 - .51
Sage, Dalmatian, stemless.....lb. .05¾- .06
garden, bls.....lb. .06¼- .06½
Sago flour, bgs.....lb. .02½- .03¼
Salicin, bots., 5 lbs.....lb. 5.00 - —
cns., 25 lbs.....lb. 4.75 - —
Salol, gran., bbls., 200 lbs.....lb. .90 - —
bxs., 25 lbs.....lb. .93 - —
kgs., 100 lbs.....lb. .90 - —
powd., fib. dms., 25 lbs.....lb. 1.03 - —
kgs., 100 lbs.....lb. 1.00 - —
Salt, rock, bgs., dlvd., N. Y..ton. 13.20 -13.80
l.c.l., bgs., dlvd., N. Y..ton. 15.30 -15.60
vacuum, common, fine, bgs., c.l., dlvd., N. Y..ton. 15.30 - —
l.c.l., dlvd. N. Y.....ton. 16.30 -21.00
Saltcake, grd., dom., bbls., works, ton. 19.00 -25.00
bulk, works.....ton. 15.00 - —
import, bulk, c.i.f.....ton. 15.00 -16.00
Chrome (see Chrome cake).
Saltpeter, dbl. refined, cryst., 10-20 tons, bbls..100 lbs. 7.50 - 8.25
1-9 tons.....100 lbs. 7.65 - 8.40
less than ton lots..100 lbs. 7.90 - 8.65
gran., bbls., 10-20 tons, 100 lbs. 6.50 - —
1-9 tons.....100 lbs. 6.65 - —
less than ton lots..100 lbs. 6.90 - —
powd., bbls., 10-20 tons. 100 lbs. 7.50 - —
1-9 tons.....100 lbs. 7.65 - —
less than ton lots..100 lbs. 7.90 - —
Santonin, cryst., cns.....lb. 21.00 -22.60
Saponin, crude, cns.....lb. 1.45 - —
purified, bots., 5 lbs.....lb. 1.65 - —
cns., 25 lbs.....lb. 1.50 - —
Sarsaparilla root, Honduras, bls. lb. .40 - .41
Mexican, bls.....lb. .16 - .18
Sassafras, bark, ord., bls.....lb. .13 - .15
select, bls.....lb. .18 - .20
Savory, bbls.....lb. .07 - .07½
Saw palmetto berries, bgs.....lb. .07 - .07½
Scammony root, bgs.....lb. .06 - .07
Schaeffer's salt, bgs.....lb. .46 - —
Seidlitz mixture, bbls., 5,000 lbs., 1 shipm't..lb. .13¾- —
smaller lots.....lb. .14¾- —
kegs, 5,000 lbs., 1 shipm't..lb. .14¾- —
smaller lots.....lb. .14¾- —
Selenium, pwd., A, 10-lb. tins..lb. 2.00 - —
100-lb. cases.....lb. 1.75 - —
Senega, root, bls.....lb. .47 - .48
Senna leaves, Alexandria, bls. lb. .10 - .14
siftings, bls.....lb. .10 - .11
Tinnevelly, No. 1, bls.....lb. .09 - .10
2 bls.....lb. .07 - .08
3 bls.....lb. .05 - .06
powd., bbls., bxs.....lb. .09 - .10
Pods bls.....lb. .05½- .06
Serpentaria root, bls.....lb. .75 - .80
Shellac, bleached, bonedry, bbls., f.o.b., N.Y..lb. .19 - .20
dlvd. Boston.....lb. .19½- .20½
Chicago.....lb. .19¾- .20¾
Pacific Coast.....lb. .22 - .23
refd., bbls., f.o.b. N. Y....lb. .25 - —
dlvd. Boston.....lb. .25½- —
Chicago.....lb. .25¾- —
Pacific Coast.....lb. .28 - —
Garnet, bgs.....lb. .13½- .14
Orange, D.C., VSO., Diamond, cases..lb. .20 - .21
Superfine, bgs., f.o.b. Bost. N. Y..lb. .11½- .12
dlvd. Chicago.....lb. .12 - .12½
Pacific Coast.....lb. .15 - .15½
T.N., bgs., f.o.b. Bost. N. Y.lb. .11 - .11¼
dlvd. Chicago.....lb. .11½- .12
Pacific Coast.....lb. .14 - .14½
Shellac varnish, orange, 5-lb. cut, bbls..gal. .85 - .95
4½-lb. cut, bbls.....gal. .80 - .90
4-lb. cut, bbls.....gal. .75 - .85
white, 5-lb. cut, bbls.....gal. 1.00 - 1.10
4½-lb. cut, bbls.....gal. .95 - 1.05
4-lb. cut, bbls.....gal. .90 - 1.00
Silica, amorph., dry-grd., 95-97%, 325 mesh, bgs. c.l., works. ton. 17.00 - —
l.c.l., 2½ tons. works. ton. 19.00 - —
smaller lots, works. ton. 20.00 - —
wet-grd., 95-97%, 325 mesh, bgs., c.l., works..ton. 18.00 - —
l.c.l., 2½ tons, works. ton. 19.50 - —
smaller lots, works. ton. 21.00 - —
400 mesh, bgs., c.l., works, ton. 35.00 - —
l.c.l., 2½ tons, works. ton. 36.50 - —
smaller lots, works. ton. 38.00 - —
96-98%, 325 mesh., bgs., c.l., works..ton. 20.00 - —
l.c.l., 2½ tons, works. ton. 21.50 - —
smaller lots, works. ton. 23.00 - —
99%, 325 mesh, bgs., c.l., works..ton. 22.00 - —
l.c.l., 2½ tons, works. ton. 25.50 - —
smaller lots.....ton. 27.00 - —
hard-quartz, 140 mesh, bgs., c.l., works..ton. 11.00 - —
l.c.l., works.....ton. 16.00 - —
Silver bullion.....oz. .42¾- —
Govt. purchase.....oz. .6464- —
Nitrate, vis.....oz. .31½- .63½
Nucleinate, bots., cns., 480 ozs., oz. .30 - .31
Proteinate, bots., cns., 480 ozs., oz. .29 - .30
Simaruba bark, bls.....lb. .27 - .28
Skatol, bots.....lb. 75.00 -80.00
Skullcap, Eastern, bls.....lb. .20 - .21
Western, bls.....lb. .14 - .17
Skunk cabbage root, bls.....lb. .18 - .19
Slate flour, bgs., c.l., works..ton. 9.00 - —
l.c.l., works.....ton. 10.00 -15.00
Sloe berries, bgs.....lb. .09 - .10
Smalt, black, extra velvet, ctns. lb. .05 - .06
Blue, cts.....lb. .07 - .08½
Snakeroot, Canada, bls.....lb. .24 - .26
Soapbark, bls.....lb. .07 - .08
crushed, bls., bbls.....lb. .11 - .12
cut, bls., bbls.....lb. .09 - .10
powd., bbls.....lb. .13 - .14
Soda, ablctate, dms.....lb. .10 - —
Acetate, anhyd., dms., dlvd..lb. .08¼- —
flake, gran., powd., 60%, dms., c.l., dlvd..lb. .04 - —
l.c.l., dlvd. ....lb. .04½- .05
Alginate, dms.....lb. .69 - —
Antimoniate, bbls.....lb. .12 - .12½
Arsenate, dms., dealers, c.l., works..lb. .08 - —
l.c.l., dms., works.....lb. .08½- —
Arsenite, dry, gray, dms., c.l., dealers' works..lb. .07½- .09½
l.c.l., dms., works.....lb. .08 - .10
white, dms., c.l., dealers' works..lb. .09 - .11
l.c.l., dms., works.....lb. .09½- .11½
liquid, 50 gls., dms.....gal. .35 - —
Soda arsenite, dry, gray, prices are ¾c. per pound higher in Chicago; 1c. per pound higher in Houston, Tex., and Colorado. White prices are 1c. per pound higher in Tex. and Colo.

Soda, ash, dense, 58%, bgs., c.l., works..100 lbs. 1.10 - —
l.c.l., Zone 1.....100 lbs. 2.13 - —
2.....100 lbs. 2.28 - —
3.....100 lbs. 2.33 - —
4.....100 lbs. 2.98 - —
bbls., c.l., works...100 lbs. 1.35 - —
l.c.l., Zone 1.....100 lbs. 2.35 - —
2.....100 lbs. 2.50 - —
3.....100 lbs. 2.75 - —
4.....100 lbs. 3.15 - —
bulk, c.l., works....100 lbs. .95 - —
extra light, 58%, bgs., c.l.... 100 lbs. 1.08 - —
l.c.l., Zone 1.....100 lbs. 2.08 - —
2.....100 lbs. 2.23 - —
3.....100 lbs. 2.48 - —
4.....100 lbs. 2.88 - —
bbls., c.l., Zone 1..100 lbs. 1.45 - —
58%, bbls., c.l., Zone 2. 100 lbs. 2.60 - —
3.....100 lbs. 2.85 - —
4.....100 lbs. 3.25 - —
l.c.l., Zone 1.....100 lbs. 2.45 - —
bulk, c.l.....100 lbs. .90 - —
light, 58%, bgs., c.l., works. 100 lbs. 1.05 - 1.08
l.c.l., Zone 1.....100 lbs. 2.08 - —
2.....100 lbs. 2.23 - —
3.....100 lbs. 2.48 - —
4.....100 lbs. 2.88 - —
bbls., c.l., works....100 lbs. 1.35 - —
l.c.l., Zone 1.....100 lbs. 2.35 - —
2.....100 lbs. 2.50 - —
3.....100 lbs. 2.75 - —
4.....100 lbs. 3.15 - —
bulk, c.l.....100 lbs. .90 - —
Soda ash l.c.l. prices are per 100 lbs. f.o.b. recognized warehouse points and include delivery in any quantity to customer's sidewalk within recognized local trucking distance of seller's warehouse. The sales zones are:—Zone 1, E. of Miss. R., but including Davenport and St. Louis, to S. bndry. of Va. and Ky., N. E. States (in Me., N. H., Vt.), special local prices apply for shipts. to various counties; Zone 2, Ala., Fla., Ga., Iowa (except Davenport), E. Kan. (incl. Wichita), Minn., Miss., Mo. (except St. Louis), N. C., Omaha, S.C., Tenn.; Zone 3, Ark., Kan. (W. of Wichita), La., Neb. (except Omaha), N.D., Okla., S.D., Tex. (except El Paso); Zone 4, Ariz., Colo., El Paso (Tex.), Idaho, Mont., Nev., N.M., Spokane, Utah, Wyo.; Zone 5, Calif., Ore., Wash. (except Spokane).
Benzoate, tech., bbls., 4,000 lbs. or more..lb. .39 - —
1,000 to 3,900 lbs.....lb. .40 - —
900 lbs. or less.....lb. .43 - —
USP, bbls., 4,000 or more. lb. .46 - —
1,000 to 3,900 lbs.....lb. .47 - —
900 lbs. or less.....lb. .50 - —
dms, 4,000 lbs., or more..lb. .47 - .48
1,000 to 3,900 lbs.....lb. .48 - .49
900 lbs. or less.....lb. .51 - .52
Bicarbonate, gran., bbls., c.l., works..100 lbs. 2.25 - —
powd., bbls., c.l., works, 100 lbs. 1.85 - —
l.c.l., dlvd. N. Y...100 lbs. 2.51 - —
kgs., c.l.....100 lbs. 2.10 - —
l.c.l., dlvd. N. Y...100 lbs. 2.76 - —
Bichromate, spot, c.l., works. lb. .06⅞- —
6 cks, or 10 bbls. or over, works..lb. .07 - —
5 cks, or 9 bbls. or less, works..lb. .07¼- —
Bifluoride, bbls.....lb. .12½- .15
Bisulphite, powd., bbls., c.l., bbls., wks.....100 lbs. 3.30 - 3.55
l.c.l., works.....100 lbs. 3.50 - 3.60
solution, 32 deg., bbls., c.l., works..100 lbs. 1.30 - —
l.c.l., bbls., works..100 lbs. 1.55 - —
33 deg., bbls., c.l., works, 100 lbs. 1.35 - —
l.c.l., bbls., works. 100 lbs. 1.60 - —
35 deg., bbls., c.l., works, 100 lbs. 1.40 - —
l.c.l., bbls., works. 100 lbs. 1.65 - —
40 deg., bbls., works. 100 lbs. 1.55 - —
l.c.l., bbls., works. 100 lbs. 1.80 - —
Bromide, USP, gran., bbls., 500 lbs..lb. .31 - —
fiber dms., 100 lbs.....lb. .32 - —
Cacodylate, bots., 5 lbs.....lb. 5.61 - —
jars, 25 lbs.....lb. 5.50 - —
Carbonate (see Soda ash, soda menohydrated, soda, sal)
Caustic, flake, 76%, 1, gr., powd., ammon. process, bbls., c.l., works..100 lbs. 2.70 - —
dms., c.l., works...100 lbs. 2.70 - —
l.c.l., Zone 1....100 lbs. 3.55 - 4.90
2.....100 lbs. 3.70 - 5.05
3.....100 lbs. 3.95 - 5.30
4.....100 lbs. 4.35 - 5.70
electro process, dms., c.l., works..100 lbs. 2.70 - —
l.c.l., same zone prices as ammonia process.
liquid, 47-49% buyer's tanks, works..100 lbs. 1.95 - —
seller's tanks, works, 100 lbs. 1.97½- —
70%, buyer's tanks, works, 100 lbs. 1.97½- —
seller's tanks, works, 100 lbs. 2.00 - —
solid, 76%, ammon. process, dms., c.l. ,works..100 lbs. 2.80 - —
l.c.l., Zone 1....100 lbs. 3.15 - —
2.....100 lbs. 3.30 - —
3.....100 lbs. 3.55 - —
electro process, dms., c.l., works..100 lbs. 2.80 - —
l.c.l., same zone prices as ammon. process.
Caustic soda l.c.l. prices are on the same basis as those for soda ash. The sales zones are also the same,
Chlorate, dom., cryst., bgs., c.l., works..lb. .06¼- —
l.c.l., works.....lb. .06½- —
powd., bgs., c.l., works..lb. .06½- —
l.c.l., works.....lb. .07 - .08½
Citrate, U.S.P., VIII, gran., bbls..225 lbs. .19½- —
cns., 50 lbs.....lb. .21½- —
25 lbs.....lb. .23½- .24½
kgs., 100 lbs.....lb. .20½- —
USP XI, gran., bbls., 250 lbs. lb. .26 - —
cns., 50 lbs.....lb. .28 - —
25 lbs.....lb. .30 - .31
kgs., 100 lbs.....lb. .27 - —
U.S.P., XI, powd., bbls., 250 lbs..lb. .26½- —
cns., 50 lbs.....lb. .28½- —
25 lbs.....lb. .30½- .31¼
kgs., 100 lbs.....lb. .27½- —
Cyanide, 96-98%, dom., dms..lb. .14 - .15
import, 90%, cs.....lb. .12¾- .13¾
Diacetate, 33-35% acidity, bbls., dlvd..lb. .09 - —
Fluoride, white, 90%, bbls., c.l., f.o.b. Phila..lb. .07¼- —
l.c.l., 10 or over, same basis..lb. .07¾- —
5-9, same basis.....lb. .08½- —
1-4, same basis.....lb. .08¾- —
95%, bbls., c.l., same basis, lb. .07½- —
l.c.l., 10 or over, same basis..lb. .08 - —
5-9 same basis.....lb. .08½- —
1-4, same basis.....lb. .08¾- —
Soda fluoride prices at Los Angeles are f.a.s. Phila.

Soda, glycerophosphate, N. F., cryst., bbls., 1,000-lb. lots..lb. 1.00 - —
smaller lots.....lb. 1.15 - —
cns., 25 lbs.....lb. 1.40 - —
powd., bbls., 1,000-lb. lots.. lb. 1.06 - —
smaller lots.....lb. 1.20 - —
cns., 25 lbs.....lb. 1.45 - —
Hydrosulphite, bbls.....lb. .16 - .17
Hydroxide, USP., sticks, cns., 160 lbs..lb. .20½- .22
Hypophosphite, N.F., cns.... 100 lbs..lb. .67 - —
Hyposulphite, cryst., large, bgs, c.l., wks, frt. equal'd, 100 lbs. 2.25 - —
bbls., same basis..100 lbs. 2.45 - —
l.c.l., bgs., wks, frt. equal'd 100 lbs. 2.50 - —
bbls., same basis..100 lbs. 2.70 - —
100 lbs. 2.40 - 2.65
pea, bgs., c.l., works..100 lbs. 2.60 - —
bbls., works.....100 lbs. 2.80 - —
dms., works.....100 lbs. 3.10 - —
5,000 lbs., and over, bgs., works..100 lbs. 2.75 - 3.00
bbls., wks.....100 lbs. 2.95 - 3.20
dms., wks.....100 lbs. 3.25 - 3.60
2,500 to 5,000 lbs., bgs., wks..100 lbs. 2.85 - 3.10
bbls., wks.....100 lbs. 3.05 - 3.30
dms., wks.....100 lbs. 3.35 - 3.60
500 to 2,500 lbs., bgs., wks., 100 lbs. 3.10 - 3.35
bbls., wks.....100 lbs. 3.30 - 3.55
dms., wks.....100 lbs. 3.60 - 3.85
less than 500 lbs., bgs., wks, 100 lbs. 3.70 - 3.95
bbls., wks.....100 lbs. 3.90 - 4.15
dms., wks.....100 lbs. 4.20 - 4.45
Iodate, jars.....lb. 5.02 - 5.07
Iodide, jars.....lb. 2.10 - —
bots.....lb. 2.21 - 2.47
Mandelate, bots., 5 lbs.....lb. 3.30 - —
fib dms., 25 lbs.....lb. 3.15 - —
Metanilate, kgs.....lb. .41 Nom.
Metasilicate, ground, dms., c.l., works..100 lbs. 3.15 - —
l.c.l., works.....100 lbs. 3.40 - —
cryst., dms., c.l.....100 lbs. 2.90 - —
gran., bbls., c.l., works. 100 lbs. 2.20 - —
Molybdate, kgs., wks.....lb. .60 - —
less kgs.....lb. .65 - —
Monohydrated, bbls.....100 lbs. 2.60 - —
works.....100 lbs. 2.30 - —
Naphthenate, bbls.....lb. .19 - —
Naphthionate, bbls.....lb. .50 - —
Nitrate, crude, c.l., 100-lb. bgs., July delivery, f.o.b. cars producing point or ports, rail or boat shipment..ton. 29.00 - —
200-lb. bgs., same basis. ton. 28.30 - —
bulk, same basis.....ton. 27.00 - —
rfd., gran., bbls., 10 tons.. 100 lbs. 2.50 - —
1-9 tons.....100 lbs. 2.65 - —
smaller lots.....100 lbs. 2.90 - —
pwd., bbls., ton lots. 100 lbs. 5.65 - —
smaller lots.....100 lbs. 5.90 - —
Nitrite, 96-98%, dom., bbls., c.l., works, frt. equalized..lb. .06¾- —
c.l., West Coast, f.o.b. f.o.b. ports..lb. .08 - —
l.c.l.....lb. .08¼- .11
Soda nitrate l.c.l. price range represents delivery at various points.
Oxalate, neut., bbls.....lb. .09 - —
kgs.....lb. .11 - —
Perborate, N.F., bbls., c.l., works..lb. .14¾- —
l.c.l., works.....lb. .15¼- —
Phosphate, dibasic, tech., bgs., c.l., works..100 lbs. 1.85 - —
l.c.l., works.....100 lbs. 2.25 - —
bbls., c.l., works...100 lbs. 2.05 - —
l.c.l., works.....100 lbs. 2.40 - —
monobasic, anhyd., bbls., c.l., 100 lbs. 7.45 - —
l.c.l. .....100 lbs. 8.20 - —
tribasic, bgs., c.l., works.. 100 lbs. 2.00 - —
l.c.l., works.....100 lbs. 2.40 - —
bbls., c.l., works...100 lbs. 2.20 - —
l.c.l., works.....100 lbs. 2.60 - —
kegs., c.l., works....100 lbs. 2.70 - —
l.c.l., works.....100 lbs. 3.10 - —
Picramate, kgs.....lb. .65 - —
Prussiate, yellow, bbls., works. lb. .09½- .10
Pyrophosphate, anhy., c.l., bgs., 100 lbs. 5.90 - —
bbls., c.l.....100 lbs. 6.10 - —
10,000 lbs. or over, bgs., 100 lbs. 6.25 - —
bbls.....100 lbs. 6.45 - —
less than 10,000 lbs., bgs., 100 lbs. 6.90 - —
bbls.....100 lbs. 7.10 - —
f.o.b. works, frt. equal'd with producing points.
Ricinoleate, tech., bbls.....lb. .12 - —
Sal, bgs., dlvd., N. Y....100 lbs. 1.20 - —
works.....100 lbs. 1.00 - —
bbls., dlvd. N. Y.....100 lbs. 1.30 - —
works.....100 lbs. 1.10 - —
Salicylate, bxs.....lb. .53 - —
Sesquisilicate, dms., c.l., works. 100 lbs. 3.00 - —
20 dms. and up, dlvd. N.Y.C. 100 lbs. 3.65 - —
5-19 dms.....100 lbs. 4.10 - —
1-4 dms.....100 lbs. 4.80 - —
Silicate, 40° turbid., dms., c.l., works..100 lbs. .80 - —
l.c.l., 5 or more, works.. 100 lbs. 1.05 - —
1-4, works.....100 lbs. 1.20 - —
42°, dms., c.l., works..100 lbs. 1.40 - —
l.c.l., 5 or more, works.. 100 lbs. 1.65 - —
1-4, works.....100 lbs. 1.80 - —
Silicofluoride, dom., bbls.....lb. .05¼- .05½
import, bbls.....lb. .04½- .05
Stannate, dms.....lb. .29½- .32½
Stearate, lump, powd., bbls., works..lb..lb. .19 - .24
Sulphate, anhyd., bgs., bbls., c.l., works.....100 lbs. 1.45 - 1.65
5 tons or over, works..... 100 lbs. 1.70 - 1.90
less than 5 tons, works... 100 lbs. 1.95 - 2.15
cryst. (see Glauber's salt).
Sulphide, cryst., bbls., c.l., works...100 lbs. 2.25 - —
l.c.l., 5 tons or over, dlvd. 100 lbs. 2.75 - —
less than 5 tons, dlvd.. 100 lbs. 3.00 - —
solid, bbls., c.l., works. 100 lbs. 3.00 - —
l.c.l., 5 tons or over, dlvd. 100 lbs. 3.50 - —
less than 5 tons, dlvd. 100 lbs. 3.75 - —
Sulphite, cryst., bgs., works. 100 lbs. 2.10 - 2.35
bbls.....100 lbs. 2.30 - 2.55
powd., bbls., c.l.....100 lbs. 5.25 - —
l.c.l., 5 or more...100 lbs. 5.50 - —
1-4.....100 lbs. 6.00 - —
Sulphocarbolate, cs.....lb. .27 - .28
Sulphocyanide, dms., cns....lb. .28 - .47
Sulphoricinoleate, bbls.....lb. .12 - —
Thiosulphate (see hyposulphite).

Soda, tungstate, CP, kgs.....lb. 2.06 - 2.10
tech., kgs.....lb. 1.30 - 1.35
Solvent, high-flash, dms., works, frt., equald..gal. .31 - —
tanks, same basis.....gal. .26 - —
naphtha, solvent, dms., works, gal. .31 - —
tanks, E. of Omaha, frt., alld. gal. .26 - —
W. coast, f.o.b., Minnequa, Colo..gal. .26 - —
Sorbitol, com'l, solut., dms., c.l., works..lb. .17 - —
l.c.l. .....lb. .18 - —
Sparteine sulphate, cns.....oz. 1.00 - 1.05
Spearmint leaves, bls.....lb. .19 - .20
Spikenard root, bls.....lb. .13 - .14
Spruce extract, bbls., works...lb. .01⅝- —
tanks, works.....lb. .01¼- —
powd., bgs.....lb. .04 - —
super, bbls., works.....lb. .01¾- —
tanks, works.....lb. .01⅜- —
Squawvine leaves, bls.....lb. .15 - .16
Squill red, bls.....lb. .14 - .15
white, bls.....lb. .06 - .07
powd., bbls., bxs.....lb. .12 - .13
St. Ignatius beans, bgs.....lb. .45 - .50
St. John's bread, bls.....lb. .06½- .07
Starch, corn, pearl, bgs., f.o.b. Chicago..100 lbs. 2.60 - 2.80
dlvd., N. Y. .....100 lbs. 2.95 - 3.15
powd., bgs., f.o.b. Chicago, 100 lbs. 2.70 - 2.90
dlvd., N. Y.....100 lbs. 3.05 - 3.25
Potato, dom., bgs.....lb. .04 - .05
import, bgs.....lb. .05 - .06
Rice, bbls.....lb. .06¼- .07¼
Wheat, thick boil, bbls.....lb. .06¼- —
Staveacre seed, bgs. .....lb. .17 - .18
Stearin, oleo, bbls.....lb. .08¼- .08½
Stillingia root, bls.....lb. .08 - .09
Stoneroot, bls.....lb. .07½- .08
Storax, cs.....lb. .48 - .49
Stramonium leaves, bls.....lb. .13 - .14
seed, bgs.....lb. .09 - .10
Strontium bromide, fib, dms..lb. .57 - .58
kgs., 150 lbs.....lb. .55 - —
Carbonate, N.F., IV, 250-lb. bbls..lb. .30 - —
25-lb. bxs.....lb. .25 - —
100-lb. kgs.....lb. .22 - —
Chloride, bbls.....lb. .13½- —
Iodide, bots., 5 lbs.....lb. 2.90 - —
jars, 25 lbs.....lb. 2.85 - —
Nitrate, dom., bbls., c.l., works..lb. .08¼- —
25 bbls. and over.....lb. .08¾- —
1-4 bbls. and over.....lb. .09¼- —
import, bbls.....lb. .08¼- .09¼
Strophanthus seed, Kombe, bgs. lb. 1.20 - 1.25
Strychnine, cryst., cns., 100-oz. lots..oz. .39 - —
powd., cns., 100-oz. lots...oz. .29 - —
Acetate, 25-oz. cns., 100-oz. lots..oz. .57 - —
Arsenate, 25-oz. cns., 100-oz. lots..oz. .60 - —
Arsenite, 25-oz. cns., 100-oz. lots..oz. .57 - —
Glycerophosphate, 25-oz. cns., 100-oz. lots..oz. .59 - —
Hydrochloride, 25-oz. cns., 100-oz. lots..oz. .57 - —
Hypophosphite, 25-oz. cns., 100-oz. lots..oz. .68 - —
Nitrate, 25-oz. cns., 100-oz. lots..oz. .50 - —
Phosphate, 25-oz. cns., 100-oz. lots..oz. .59 - —
Sulphate, cryst., cns., 100-oz. lots..oz. .35 - —
powd., cns., 100-oz. lots, oz. .25 - —
Styralyl acetate, bots.....lb. 6.75 - 7.00
Sucrose octa-acetate, denat., grade, bbls., l.c.l., works..lb. .45 - —
tech., bbls., l.c.l., works....lb. .40 - —
Sugar coloring, bbls.....gal. .70 - 1.10
Milk., bbls., c.l.....lb. .15 - —
l.c.l., 10 or over.....lb. .16 - —
less than 10.....lb. .17 - —
Sulfanilamide, 5 lb. bots.....lb. 1.90 - —
fib., dms., 1,000 lbs., 1 delivery, lb. 1.50 - —
100 lbs.....lb. 1.55 - —
Sulphonethylmethane, kgs.....lb. 6.75 - 6.80
Sulphonmethane, kgs.....lb. 5.25 - 5.30
Sulphur, crude, bulk, 1,000 tons, mines, contracts, long ton. 18.00 - —
c.l., spot, nearby, long ton. 21.00 - —
ex vessel, Balto., N. Y., Phila., Southern ports, long ton. 22.00 -25.00
Bost., Portland..long ton. 22.50 -25.50
flowers, bgs., c.l., works. 100 lbs. 3.00 - —
bbls., works.....100 lbs. 3.25 - —
l.c.l., bgs., works..100 lbs. 3.25 - 3.75
bbls., wks.....100 lbs. 3.70 - 4.10
refined, broken, bgs., c.l., works. 100 lbs. 2.15 - —
bbls., works.....100 lbs. 2.30 - —
l.c.l., bgs., works..100 lbs. 2.50 - 2.95
bbls., works.....100 lbs. 2.65 - 3.05
flour, comm'l, bgs., c.l., works, 100 lbs. 1.65 - —
bbls., c.l., works..100 lbs. 1.95 - —
l.c.l., bgs., works..100 lbs. 1.95 - 2.35
bbls., works.....100 lbs. 2.60 - 2.70
extra fine, bgs., c.l., works, 100 lbs. 2.85 - —
bbls., works....100 lbs. 3.20 - —
heavy, bgs., c.l., works. 100 lbs. 2.55 - —
bbls., works....100 lbs. 2.90 - —
l.c.l., bgs., works..100 lbs. 2.90 - 3.30
bbls., works....100 lbs. 3.25 - 3.65
light, bgs., c.l., works..... 100 lbs. 2.65 - —
bbls., works....100 lbs. 3.00 - —
l.c.l., bgs., works..100 lbs. 3.00 - 3.40
bbls., works....100 lbs. 3.35 - 3.75
rock, virgin, bbls., c.l., works. 100 lbs. 2.30 - —
l.c.l., bbls., works. 100 lbs. 2.15 - —
roll, bgs., c.l., works..100 lbs. 2.35 - —
bbls., works....100 lbs. 2.50 - —
l.c.l., bgs., works..100 lbs. 2.70 - 3.10
bbls., works....100 lbs. 2.85 - 3.25
Chloride, 55-gal. dms., c.l.....lb. .03 - —
l.c.l., dms., works....lb. .04 - —
10-gal. dms., c.l.....lb. .07 - —
l.c.l. .....lb. .08 - —
Dioxide, liq., com'l, cyls., works..lb. .07 - .09
multi-unit cars, works..lb. .04½- .07
tanks, works.....lb. .04 - .05
refrigerate, cyls., works. lb. .16 - .40
multi-unit cars, works..lb. .07½- .10
Iodide, bots., jars.....lb. 3.90 - —
Sumac berries, bgs.....lb. .06 - .07
Sumac, grd., Sicilian, bls....ton. 67.00 - —
leaf, bales.....ton. 69.00 - —
Extract, 42°, bbls.....lb. .05¼- .06½
51°, bbls.....lb. .06½- .06¾
stainless, bbls.....lb. .06½- .06¾
Sunflower seed, Calif., large, bgs., lb. .06 - .06½
medium, bgs.....lb. .04½- .05
poultry, bgs.....lb. .03½- .04
Superphosphate, guaranteed, 16%, bulk, f.o.b. cars, boat, Balto. ton. 8.00 - —
run-of-pile, basis 16%, bulk, same basis..ton. 7.50 - —
triple, 44-45%, a.p.a. bulk, f.o.b. Balto., unit-ton. .75 Nom.

T

Talc, dom., Calif., 1, bgs., c.l., mills..ton.20.00 - —
2, bgs., c.l., mills.....ton.17.00 - —
N.Y., fibrous, 93-94%, 325 mesh bgs., c.l., mills.. ton.14.00 - —
l.c.l., mills.....ton.16.00 - —
96-98%, 325 mesh, bgs., c.l., mills..ton.15.00 - —
l.c.l., mills.....ton.17.00 - —
98-99½%, 325 mesh, bgs., c.l., mills..ton.15.25- —
l.c.l., mills.....ton.17.25 - —
99.85-99.95%, 325 mesh, bgs., c.l., mills...ton.17.00 - —
coarse, off color, bgs., c.l., mills..ton.11.00 -13.00
Ohio, alum-mag. type, grd., bgs., c.l., mills..ton.21.00 - —
l.c.l., mills.....ton.24.50 - —
Vermont, bgs., c.l., mills. ton.14.00 - —
l.c.l., ex whse.....ton.25.00 - —
Canad., bgs., c.l., mills...ton.11.50 -13.00
French, high-grade, bgs., l.c.l., ex whse..ton.45.00 -60.00
ordinary, bgs., c.l., ex dock, arrival..ton.23.00 -25.00
l.c.l., ex whse .....ton.27.50 -32.50
Italian, 1, bgs., ex dock, arrival. ton.65.00 -67.00
ex whse.....ton.85.00 - —
2, bgs., ex dock, arrival.ton.60.00 -62.00
Tallow, animal, edible, bbls...lb. .07 - .07¼
extra, loose, works.....lb. .05⅝- —
special, loose, works.....lb. .05½- —
Vegetable, ship., cs.....lb. .07½- .08
sulphonated 85% (24% fat), dms., c.l..lb. .05 - .05½
l.c.l .....lb. .06 - .06½
50% (43% fat) dms., c.l..lb. .06½- .07
l.c.l.....lb. .07½- .08
50% (48% fat), dms., c.l..lb. .07 - .07½
l.c.l.....lb. .08 - .09
Tamarind, W. I., bbls.....lb. .05½- .06
kegs .....keg. 5.00 - 5.25
Tankage, animal, dom., grd., 10-12%, ammon., 15-20% b.p.l., bulk..unit-ton. 3.00 & .10
unground, 9-11% ammon., 15-20% b.p.l., bulk, unit-ton. 3.00 & .10
fertilizer grade, 10-11% ammon., 15% b.p.l., bulk, Chicago..unit-ton. 2.65 & .10
high-grade feeding, bulk, Chicago..unit-ton. 3.00 & .10
import., S. Amer., 10-12% ammon., 13% b.p.l., bulk, c.i.f. ports ship. unit-ton. 3.25 & .10
Tansy leaves, bls.....lb. .18 - .19
Tapioca, flour, bgs.....lb. .02 - .04
Tar acid oil, 15%, dms., c.l., works..gal. .22 - —
l.c.l., same basis.....gal. .25 - —
25%, dms., c.l., works....gal. .25½- —
l.c.l., same basis.....gal. .28½- —
Pine, retort, dms., c.l., dlvd. E. cities..gal. .26 - —
dlvd., ports.....gal. .25 - —
l.c.l.....gal. .26 - —
tanks, dlvd. E. cities....gal. .20 - —
Tartar emetic tech., fine gran., bbls., 5 or more..lb. .27¾- —
less than 5.....lb. .28 - —
powd., bbls., 5 or more..lb. .27¾- —
less than 5.....lb. .28 - —
USP, powd., bbls.....lb. .33 - .33½
Terebene, cans.....lb. .70 - .75
Terpinyl acetate, cns.....lb. .77 - 1.00
Terpin hydrate, kgs.....lb. .45 - .46
Terpineol, CP, cns.....lb. .25 - —
dms.....lb. .23 - —
Terpineol, alpha, denat. grade, dms., c.l., wks., net wgt..lb. .17 - —
Terra alba (see Gypsum).
Tetrachloroethane, dms., works..lb. .08 - .08½
Tetrachloroethylene, CP, dms..lb. .21½- —
tech., dms.....lb. .09½- —
Tetralin, dms.....lb. .12 - —
Thallium sulphate, 90% pure, dms. works..lb. 7.25 - 7.50
Theobromine, cns.....lb. 2.10 - 2.40
Sodiosalicylate, cns.....lb. 1.75 - 1.85
5-lb. bots. .....lb. 2.01 - —
Thiocarbanilide, dms.....lb. .24 - —
Thorium nitrate, cs., works...lb. 2.00 - —
Thyme, French, bls.....lb. .14 - .15
Thymol, dms., 100 lbs.....lb. 1.40 - —
cns., 25 lbs.....lb. 1.45 - —
Iodide, kgs., 50 lbs.....lb. 3.25 - 3.30
25 lbs.....lb. 3.35 - 3.40
Tin crystals, bbls., kgs.....lb. .35 - .35½
Metal, Straits.....lb. .43½- —
Oxide, bbls.....lb. .48 - .50
Tetrachloride, anhyd., bbls...lb. .22½- —
Titanium, dioxide, bgs., c.l. (20 tons), E. frt. alld..lb. .15 - —
Pac. cst., f.o.b. terminals, lb. .15 - —
l.c.l., 5 tons, E., dlvd....lb. .15¼- —
Pac. cst., ex whse....lb. .15¼- —
1,000-9,999 lbs., E. dlvd.lb. .15½- —
Pac. cst., ex whse....lb. .15½- —
50-999 lbs., E. dlvd....lb. .15¾- —
Pac. cst., ex whse....lb. .15¾- —
under 50 lbs., E. dlvd..lb. .18 - —
Pac. cst., ex whse....lb. .18 - —
bbls., c.l. (20 tons), E. frt. alld..lb. .15¼- —
l.c.l., 5 tons, E. dlvd.....lb. .15½- —
1,000-9,999 lbs., E. dlvd 'b. .15¾- —
50-999 lbs., E. dlvd b. .16 - —
phthalate-treated, bgs., c.l., (20 tons), E. frt. alld.lb. .23 - —
Pac. cst., f.o.b. terminal..lb. .23 - —
l.c.l., 5 tons, E. dlvd....lb. .23¼- —
Pac. cst., ex whse...lb. .23¼- —
1,000-9,999 lbs., E. dlvd.lb. .23½- —
Pac. cst., ex whse....lb. .23½- —
50-999 lbs., E. dlvd.....lb. .23¾- —
Pac. cst., ex whse..lb. .23¾- —
under 50 lbs.....lb. .26 - —
bbls., c.l. (20 tons), E. frt. alld..lb. .23¼- —
l.c.l., 5 tons, E. dlvd...lb. .23½- —
1,000-9,999 lbs, E. dlvd.lb. .23¾- —
50-999 lbs., E. dlvd....lb. .24 - —
pigment, barium, calcium, or magnesium base, c.l., E. frt. alld.....lb. .05⅝- —
Pac. cst., f.o.b. terminal, lb. .05⅝- —
l.c.l., dlvd.....lb. .05¾- —
Pac. cst., ex whse..lb. .05¾- —
under 50 lbs., E. dlvd.lb. .06⅜- —
bbls., c.l., E., frt. alld...lb. .05¾- —
l.c.l., E., dlvd.....lb. .06¼- —
Tolidin base, distilled, kgs....lb. .86 - —
Tolu, balsam, cns.....lb. .44 - .45
Toluidin, mixed, dms.....lb. .26 - —
Toluol (toluene), pure, dms., works..gal. .27 - —
tanks, E. of Omaha, frt. alld. gal. .22 - —
W. Coast, f.o.b. Minnequa, Colo..gal. .22 - —
Nitration, dms., wks.....gal. .28½- —
tanks, E. of Omaha, frt. alld. gal. .23½- —
Tonga vine, NF, bls.....lb. .26 - .27
root, bls.....lb. .30 - .31
Tonka beans, Angostura, cks..lb. 2.40 - 2.50
Triacetin, dms.....lb. .26 - —
Triamyl borate, dms., l.c.l., works..lb. .27 - —
Triamylamine, dms., c.l., works, lb. .77 - —
l.c.l., works.....lb. .80 - —
Tributyl citrate, dms., l.c.l., dlvd..lb. .35 - —
Phosphate, dms., l.c.l., dlvd., lb. .50 - —
Tributylamines, dms., l.c.l., works lb. .70 - —
Trichloroethylene, dms., c.l., works, frt. alld. Zone A..lb. .09 - —
l.c.l., dms. .....lb. .095 - —
Zone B, c.l.....lb. .105 - —
l.c.l., dms.....lb. .110 - —
Zone C, dms., l.c.l.....lb. .105 - —
Zone A is East of the Rockies; B takes in Rocky Mountain States, and Zone C represents Pacific Coast States.
Tricresyl phosphate, CP, cns., dlvd..lb. .42 - .53
dms., c.l., dlvd.....lb. .36 - —
500 lbs., dlvd.....lb. .39 - —
Tricresyl phosphate, tech., 1, dms., c.l..lb. .24½- —
500 lbs., dms.....lb. .25 - —
less than 500 lbs., dms.lb. .28 - .29
2, dms., c.l.....lb. .23½- —
500 lbs., dms.....lb. .24 - —
less than 500 lbs.....lb. .27 - .28
Triethanolamine, dms., c.l., works, lb. .21 - —
l.c.l., works.....lb. .22 - —
tanks, works.....lb. .20 - —
Triethyl phosphate, dms., dlvd., lb. .45 - —
Triethyleneglycol, dms., l.c.l., works..lb. .26 -
Trimethyl phosphate, cns.....lb. .54 - .56
dms., dlvd.....lb. .50 - —
Trimethylamine, dms., c.l., dlvd., lb. 1.00 - —
l.c.l., dlvd.....lb. 1.05 - —
Triphenyl phosphate, dms.....lb. .38 - —
Tripoli, air-floated, bgs., c.l., works..ton.26.00 - —
double-grd., bgs., c.l., works, ton.16.00 - —
once-grd., bgs., c.l., works..ton.14.50 - —
Trisodium phosphate (see Soda phosphate, tribasic).
Tungsten metal, powd., 99%, dms., wks..lb. 2.80 - 3.10
Oxide, CP, kgs.....lb. 2.90 - 3.00
tech., kgs. .....lb. 2.10 - 2.20
Turmeric root, Alleppey, bgs..lb. .05⅝- .05½
Madras, bgs.....lb. .06¼ Nom.
Turpentine, spirits, gum bbls c.l., ex dock..gal. .29 - —
l.c.l., 10, ex dock.....gal. .31 - —
5, ex dock.....gal. .33 - —
steam-dist., dms., c.l., dlvd.gal. .27 - —
l.c.l., dlvd.....gal. .30 - —
tanks, dlvd.....gal. .22 - —

U

Unicorn root, false (see Helonias root).
True (see Aletris root).
Uranium oxide, kgs.....lb. 1.50 - —
Urea, dom., 46 + % N. bgs., 5 tons, f.o.b. Atl. ports or Belle, W. Va..ton.95.00 - —
smaller lots, f.o.b. Belle, W. Va...ton.95.00 - —
f.o.b. N. Y.....ton.101.00 - —
Import, 46% N. bgs., 5 tons, f.o.b. Atl., Gulf ports or Belle, W. Va., shipt.ton.95.00 - —
smaller lots, f.o.b. N. Y. from whse.101.00 - —
pure, cs. .....lb. .14½- .15½
Urea-ammonia liquor 55% ammon., tanks, f.o.b. Belle, W. Va., or Atl., Gulf ports. NH_3 unit. 1.00 - —
Uva ursi leaves, bls.....lb. .09 - .09½

V

Valerian root, bls.....lb. .09 - .09½
Valonia, beards, bgs., shipt..ton.45.00 - —
Cups, bgs., shipt.....ton.32.00 -34.00
extract, powdered, 63%.....lb. .06 - —
Vanilla beans, Bourbon, tins..lb. 3.90 - 4.50
Mexican, tins.....lb. 4.25 - 4.75
cut, tins .....lb. 3.65 - 4.00
South American, tins.....lb. 3.65 - 3.85
Vanillin, ex eugenol, 25-lb. tins, lb. 2.25 - —
5-lb. tins.....lb. 2.35 - —
Vanillin, ex guaiacol, 10c. per lb. less
Venice turpentine, true, cs....lb. .42 - .44
Verdigris, bbls., kgs.....lb. .22 - .23
Violet, methyl, toner (see M).
V.M.P. naphtha (see petroleum naphtha, v.m.p.).

W

Wahoo root bark, bls.....lb. .45 - .47
Tree bark, bls.....lb. .22 - .23
Wattle bark, bgs., shipt.....ton.39.75 -41.75
Extract, bbls. .....lb. .04⅜- —
Wax, bayberry, import, bgs...lb. .16⅞- .17
Bees, white, bleach, slabs, cs., 500 lbs. .37 - .39
yellow, crude, Africa, bgs., lots of 10..lb. .22 - .22½
1 bg. .....lb. .24½- .25½
Brazil, Chile, bgs., 5-10 tons, lb. .23 - .23½
1 ton .....lb. .23½- .24
500 lbs. .....lb. .24 - .24½
100 lbs. .....lb. .24½- .25
refd., slabs, cs., lbs....lb. .33 - .33½
Candelilla, bgs., 1 ton.....lb. .14½- .15
jobbing lots .....lb. .15 - .15½
Carnauba, No. 3, chalky, bgs., 1 ton..lb. .33½- .34½
5 bgs.....lb. .34 - .35
1 bg.....lb. .34½- .35½
N. C. 2, bgs.....lb. .37 - .37½
N. C. 3, bgs., 1 ton.....lb. .33½- .34½
5 bgs.....lb. .34 - .35
1 bg.....lb. .34½- .35½
refined, bgs.....lb. .38 - .38½
yellow, No. 1, bgs., 1 ton..lb. .41 - .41½
5 bgs.....lb. .41½- .42
1 bg.....lb. .42 - .42½
No. 2, bgs.....lb. .40 - .41
Ceresin, dom., 138°140° m.p., bgs., 1 ton..lb. .08½- —
jobbing lots .....lb. .09½- —
150°-160° m.p., bgs., 1 ton.lb. .09½- —
jobbing lots .....lb. .10½- —
160° m.p., bgs., 1 ton.....lb. .10½- —
jobbing lots .....lb. .11½- —
Japan, cs.....lb. .09¼- .09½
Montan, bgs., c.l.....lb. .11 - —
5 tons .....lb. .11¼- .11½
less than 1 ton.....lb. .11⅝- .12
Ozokerite, hard green, congeal, p. 66°-68° C., bgs..lb. .62 Nom.
70°-72° C., bgs.....lb. .35 Nom.
74°-76° C., bgs.....lb. .38 Nom.
snow-white, pure 76°-78° C., bgs..lb. .45 - .46
yellow, natural, 76°-78° C., bgs..lb. .35 - .36
Paraffin (see P).
Spermaceti, blocks, cs.....lb. .23 - .24
cakes, cs .....lb. .24 - .25

White lead (see Lead, white).
White pine bark, rossed, bls...lb. .06 - .06¼
White precipitate, powd., 5-lb. bots..lb. 1.59 - —
dms., 50 lbs., or more...lb. 1.46 - —
Whiting, chalk, com'l., dry-grd., blp. bgs., c.l., works..ton.12.00 - —
l.c.l., works.....ton.14.00 - —
bbls., c.l., works.....ton.15.00 -16.50
l.c.l., works.....ton.17.00 - —
pap. bgs., c.l., works..ton.11.20 -13.50
l.c.l., works.....ton.13.20 -14.50
wet-grnd., blp., bgs., c.l., works..ton.14.50 -15.00
l.c.l., works.....ton.15.00 -19.00
bbls., c.l., works.....ton.17.00 -18.00
gilder's bolted, blp., bgs., c.l., works..ton.15.00 - —
l.c.l., works.....ton.16.00 - —
bbls., c.l., works.....ton.18.00 -19.50
l.c.l., works.....ton.19.00 -20.00
pap. bgs., c.l., works..ton.14.00 -15.50
l.c.l., works.....ton.15.60 -16.50
extra bolted, blp., bgs., c.l., works..ton.15.00 - —
l.c.l., works.....ton.16.00 - —
bbls., c.l., works.....ton.18.00 -22.50
l.c.l., works.....ton.19.00 -22.00
pap. bgs., c.l., works..ton.14.60 -17.50
l.c.l., works.....ton.15.60- 18.50
Paris white, blp., bgs., c.l., works..ton.15.00 - —
l.c.l., works.....ton.16.00 - —
bbls., c.l., works.....ton.18.60 -24.00
l.c.l., works.....ton.19.00 -25.00
pap. bgs., c.l., works..ton.14.60 -20.00
l.c.l., works.....ton.15.60 -21.50
English cliffstone (see Whiting, chalk, Paris white).
Limestone, air floated, 99.75%, 250 mesh, paper bgs., c.l..ton. 9.35 - —
99.75% 200 mesh, paper bgs., c.l., same basis.ton. 8.30 - —
90% 200 mesh, paper bgs., c.l., same basis.....ton. 6.25 - —
gilders, bgs, (extra), c.l., works..ton.11.50 - —
l.c.l., 8-20 tons, works.ton.12.50 - —
4-8 tons, works.....ton.13.50 - —
2-4 tons, works.....ton.14.50 - —
extra, bgs., (extra), c.l., works..ton.12.50 - —
l.c.l., 8-20 tons, works, ton.13.50 - —
4-8 tons, works....ton.14.50 - —
2-4 tons, works....ton.15.50 - —
putty grade, bgs. (extra), c.l., works..ton.11.00 - —
l.c.l., 8-20 tons, works.ton.12.00 - —
4-8 tons, works.....ton.13.00 - —
2-4 tons, works.....ton.14.00 - —
water-floated, bgs., (extra), c.l., works..ton.11.50 - —
l.c.l., 8-20 tons, works.ton.12.50 - —
4-8 tons, works.....ton.13.50 - —
2-4 tons, works.....ton.14.50 - —
precipitated, bgs., c.l., works. ton.15.00 - —
l.c.l., 5 tons, works....ton.20.00 - —
smaller lots, works....ton.25.00 - —
Wild cherry bark, thick, natural. bls..lb. .04½- .05
rossed, bls.....lb. .06 - .07
thin, natural, bls.....lb. .06 - .07
rossed, green, bls.....lb. .08 - .09
Wild indigo root, bgs.....lb. .09 - .10
Witch-hazel extract, dist., NF. bbls..gal. .40 - .45
Leaves, bls.....lb. .07 - .08
Witherite (see Barium carbonate, natural).
Woodflour, dom., fine, bgs., extra, c.l., works..ton.25.00 - —
standard, bgs., c.l., works.. ton.20.00 - —
import, 70 mesh, bgs., ex dock, ton.22.00 - —
80 mesh, bgs., ex dock....ton.24.50 - —
100 mesh, bgs., ex dock...ton.27.50 - —
120 mesh, bgs., ex dock...ton.30.00 - —
Wormseed, American, bgs.....lb. .10 - .11
Levant, bgs.....lb. 3.70 - 3.75
Wormwood, bls.....lb. .08 - .09

X

Xylol (xylene), indus., dms., works..gal. .31 - —
tanks, E. of Omaha, frt. alld. gal. .26 - —
W. Coast, f.o.b. Minnequa, Colo..gal. .26 - —
nitration, dms., wks.....gal. .42 - —
tanks, E. of Omaha, frt. alld., gal. .33 - —
W. Coast, f.o.b. Minnequa, Colo..gal. .33 - —
5°, dms., works.....gal. .37 - —
tanks, E. of Omaha, frt., alld., gal. .32 - —
10°, dms., works.....lb. .34 - —
tanks, E. of Omaha, frt. alld., gal. .29 - —
Xylidin, mixed, dms.....lb. .35 - .36

Y

Yara yara, cryst., cns.....lb. 1.25 - 1.50
Yellow, cadmium, CP, import., bxs..lb. 1.50 - 2.50
lithopone, all shades, bbls., 1 ton, works, frt. alld.lb. .45 - —
smaller lots, same basis, lb. .50 - —
kgs , ton lots, same basis. lb .50 - —
smaller lots, same basis, lb. .55 - —
sulphide, orange, bbls., works, lb. 1.50 - —
Chrome, CP, bbls., dlvd. N. of Tenn. and N.C., E. of Miss., R., including Davenport, Minneapolis, Rock Island, St. Louis, St. Paul, contracts....lb. .14½- —
open order .....lb. .15½- —
Chrome yellow CP prices are ½c. higher dlvd. Ala., Fla., Ga., La. (Shreveport, 1¼c.), Miss., N. C., S. C., Tenn., Tex., (Dallas, Ft. Worth, 1¼c.; El Paso, 2c.), Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph; ½c. higher dlvd. Pac. coast: for Denver, Pueblo, Salt Lake City, Wichita, prices are equalized with Chicago.
Dutch pink, bbls.....lb. .09 - .11
Hansa, bbls., same basis, chrome..lb. 1.37 - —
Mercury oxide (see M).
Ocher, Amer., golden, A, bbls., works..lb. .06¼- —
B, bbls., works.....lb. .04½- —
C, bbls., works.....lb. .03½- —
yellow, A, bbls., works...lb. .02¾- —
B, bbls., works.....lb. .02½- —
C, bbls., works.....lb. .02 - —
D, bbls., works.....lb. .0195- —
E, bbls., works.....lb. .01775- —
F, bbls., works.....lb. .01½- —
G, bbls., works.....lb. .01½- —
H, bbls., works.....lb. .01⅜- —

Talc—Zinc Oxide

Yellow, ocher, French, all shades, cks., c.l., ex dock Balto., Boston, N. Orleans, for import....lb. .02475- —
New York (t.o.b.)..lb. .02½- —
Philadelphia, for import..lb. .02¾- —
Portland, Seattle ..lb. .03 - —
San Pedro, S. Francisco..lb. .0290- —
l.c.l., ex dock, Balto, Boston, N. Orleans..lb. .02575- —
New York .....lb. .02½- —
Philadelphia, for import..lb. .02¾- —
Portland, Seattle....lb. .03½- —
San Pedro, S. Francisco..lb. .03 - —
ex whse., Balto., Boston, N. Orleans..lb. .02725- —
Chicago, E. St. Louis, Ind'polis, K. City, Milwauk., St. Louis, lb. .03⅜- —
Minneapolis .....lb. .03½- —
New York .....lb. .02¾- —
Pittsburgh .....lb. .03¼- —
Portland, Seattle....lb. .03⅜- —
San Pedro, S. Francisco..lb. .03¼- —
f.o.b. N. Y., from dock, lb. .02⅜- —
from whse. .....lb. .02⅞- —
Oxide, nat., bbls., c.l., f.o.b. Bethlehem Easton, N.Y. lb. .04½- —
l.c.l., same basis.....lb. .04⅝- —
synth., bbls., c.l., works..lb. .06½- —
l.c.l., works .....lb. .06⅝- —
Persian orange (see O)
Zinc, bbls., same basis chrome CP. contracts..lb. .18 - —
open order .....lb. .19 - —
Yellow dock root, bls.....lb. .09 - .10
Yellow root (xanthoriza), bls..lb. .09 - .10
Yerba santa leaves, bls.....lb. .08½- .10
Yohimbine hydrochloride, vis..oz. 2.50 - 2.55

Z

Zinc acetate, tech., bbls., dlvd., lb. .21 - —
USP., bbls., 250 lbs.....lb. .27 - —
kgs., 100 lbs.....lb. .29 - —
Arsenate, bgs., cs., c.l., dealers, E. of Rockies..lb. .12½- —
c.l., bgs., cs.....lb. .13 - —
Arsenite, bgs., cs., c.l., dealers, E. of Rockies..lb. .12½- —
W. of Rockies, bgs....lb. .12½- —
l.c.l., bgs., cs.....lb. .13 - —
W. of Rockies, bgs....lb. .12⅝- —

Zinc arsenate and arsenite price are works or whse. basis, frt. alld. to dest. in lots of 96 lbs. or over; no frt. or truck allowance for plant or whse. pick-up.

Carbonate, tech., bbls.....lb. .14 - .15
USP precip., powd., bbls..lb. .31 - —
dms. .....lb. .36 - —
kgs. .....lb. .33 - —
Chloride, fused, dms., c.l., works..100 lbs. 4.25 - —
l.c.l., works.....100 lbs. 4.60 - —
gran., dms., c.l., works, 100 lbs. 5.00 -
l.c.l., dms., works.100 lbs. 5.75 - —
USP, 200-lb. dms.....lb. .25 - —
25 lb. jars.....lb. .31 - —
solut., dms., wks.....lb. .04¼- —
tanks .....lb. .0226- —
Cyanide, kgs., works.....lb. .33 - —
Dust, bbls., c. l., dlvd.....lb. .06⅞- —
l.c.l., bbls., dlvd.....lb. .07¼- —
Fluoride, bbls.....lb. .20 - .25
Iodide, N.F., bots.....lb. 4.35 - —
jars .....lb. 4.20 - —
Metal (see daily quotations in Market report)
Oxide, pigment, dom., Amer., process, coml., lead - free, bgs., c.l., dlvd..lb. .06½- .07½
l.c.l., dlvd., except Pac. cst..lb. .06½- .07¾
ex whse., Pac. cst., lb. .06½- .07¾
bbls., c.l., dlvd...lb. .06¼- .07¾
l.c.l., dlvd., except Pac. cst..lb. .06¾- .08
ex whse., Pac. cst..lb. .06¾- .08
leaded, 5%, bgs., c.l., dlvd..lb. .06½- —
l.c.l., dlvd., except ex whse.,Pac. cst.lb. .06¾- —
bbls., c.l., dlvd....lb. .06¾- —
l.c.l., dlvd., except Pac. cst..lb. .06¾- —
ex whse., Pac. cst.lb. .06¾- —
35%, bgs., c.l., dlvd.lb. .0590- —
l.c.l., dlvd., except Pac. cst..lb. .0615- —
ex whse., Pac. cst. lb. .0615 - —
bbls., c.l., dlvd....lb. .0615- —
l.c.l., dlvd., except Pac. cst..lb. .0640- —
ex whse., Pac. cst. lb. .0640- —
50%, bgs., c.l., dlvd. lb. .0592- —
l.c.l., dlvd., except Pac. cst..lb. .0617- —
ex whse., Pac. cst.lb. .0617- —
bbls., c.l., dlvd.....lb. .0617- —
l.c.l., dlvd., except Pac. cst..lb. .0642- —
ex whse., Pac. cst.lb. .0642- —
French process, com'l lead-free, bgs., c.l., dlvd. lb. .06¼- .07½
l.c.l., dlvd., except Pac. cst..lb. .06¼- .07¾
ex whse., Pac. cst.lb. .06¼- .07¾
bbls., c.l., dlvd.....lb. .06¼- .07¾
l.c.l., dlvd., except Pac. cst..lb. .06¾- .09
ex whse., Pac. cst.lb. .06¾- .09
green seal, bgs., c.l., dlvd., lb. .08 - —
l.c.l., dlvd., except Pac. cst..lb. .08¼- —
ex whse., Pac. cst..lb. .08¼- —
bbls., c.l., dlvd.....lb. .08¼- —
l.c.l., dlvd., except Pac. cst..lb. .08½- —
ex whse., Pac. cst..lb. .08½- —
red seal, bbls., c.l., dlvd...lb. .07¾- —
l.c.l., dlvd., except Pac. cst..lb. .07¾- —
ex whse., Pac. cst..lb. .07¾- —
bbls., c.l., dlvd.....lb. .07¾- —
l.c.l., dlvd., except Pac. cst..lb. .08 - —
ex whse., Pac. cst..lb. .08 - —

Zinc Oxide—Kadox

Zinc, oxide, dom., French process, white seal, bgs., c.l., dlvd., lb. .08½- —
l.c.l., dlvd., except Pac. cst..lb. .08¾- —
ex whse., Pac. cst..lb. .08¾- —
bbls., c.l.....lb. .08¾- —
l.c.l., dlvd., except Pac. cst..lb. .09 - —
ex whse., Pac. cst..lb. .09 - —
Import, gold seal, cks., x whse..lb. .13 - .14
green seal, bbls., ex whse., lb. .10 - —
white seal, cks., ex whse., lb. .11 - .12¼
USP, bbls., c.l.....lb. .09½- —
Palmitate, bbls.....lb. .25 - .30
Resinate, fused, pale, bbls...lb. .10 - —
precip., dms., dlvd.....lb. .15 - —
Stearate, tech., precip., bbls., ctns., c.l..lb. .20 - —
l.c.l., 1 ton.....lb. .21 - —
1,000-2,000 lbs.....lb. .22 - —
less than 1,000 lbs..lb. .23 - —
U.S.P., bbls.....lb. .21 - .28
Sulphate, cryst., bgs., c.l.100 lbs. 2.75 - —
l.c.l. .....100 lbs. 2.50 - —
bbls., c.l. .....100 lbs. 2.90 - —
l.c.l. .....100 lbs. 2.65 - —
flake, bgs., c.l. .....100 lbs. 3.10 - —
l.c.l. .....100 lbs. 3.85 - —
bbls., c.l. .....100 lbs. 3.25 - —
l.c.l. .....100 lbs. 4.00 - —
l.c.l. .....100 lbs. 5.10 - —
bbls., c.l. .....100 lbs. 4.50 - —
l.c.l. .....100 lbs. 5.25 - —
Sulphide, bgs., c.l. (20 tons), dlvd..lb. .08¾- —
l.c.l., dlvd. E. or ex whse., Pac. cst..lb. .08¾- —
bbls., c.l. (20 tons), dlvd..lb. .08¾- —
l.c.l., dlvd. E. or ex whse., Pac. cst..lb. .08¾- —
Sulphocarbolate, NF, bbls...lb. .24 - .26
Zinc-ammonia chloride, dms., c.l., works..100 lbs. 5.15 - —
l.c.l., works.....100 lbs. 5.50 - —
Zinc-iron oxide, pigment, bgs., c.l., dlvd..lb. .06 - —
l.c.l., dlvd., except Pac. cst..lb. .06½- —
ex whse., Pac. cst..lb. .05½- —
powd., bgs., c.l. .....100 lbs. 4.35 - —
Zirconium nitrate, kgs., work..lb. 3.00 - 4.00
Oxide, crude, 73-75%, grd., bbls., works..ton. 75.00 -100.00
kgs., small lots, works...lb. .04½- .04⅝
white, 98%, rgd., kgs., works, lb. 1.40 - 1.52

Buyers Prefer
"O-P-D"
Market Information
because it is
Definite and
Accurate

Synthetic Resins
and other
Branded Paint Materials
(Manufacturers' List Prices)

A

Abalyn resin, 55-gal. dms., non-returnable, works..lb. .16 - —
Aroclors, distilled, dms., c.l., works..lb. .23 - —
ton lots, works.....lb. .25 - —
single dms., works.....lb. .27 - —
undistilled, dms., c.l., works, lb. .18 - —
ton lots, works.....lb. .20 - —
single dms., works.....lb. .22 - —

B

Bakelite, gooks, BK, 3962, XK 6791, dms., 30,000 lbs., works.lb. .22½- —
15,000 lbs., works.....lb. .23 - —
5,000 lbs., works.....lb. .23½- —
lacquer, XR 2342, dms., 30,000 lbs, works..lb. .38 - —
15,000 lbs., works.....lb. .38½- —
5,000 lbs., works.....lb. .39 - —
3180, dms., 30,000 lbs., works..lb. .45 - —
15,000 lbs., works.....lb. .46 - —
5,000 lbs., works.....lb. .47 - —
4357, dms., 30,000 lbs., works..lb. .45 - —
15,000 lbs., works.....lb. .46 - —
5,000 lbs., works.....lb. .47 - —
9448, dms., 30,000 lbs., works..lb. .35 - —
15,000 lbs., works.....lb. .36 - —
5,000 lbs., works.....lb. .37 - —
phenolic, 100%, BR, 254, bbls., 30,000 lbs., works..lb. .45 - —
15,000 lbs., works...lb. .46 - —
5,000 lbs., works...lb. .47 - —
1329, bbls., 30,000 lbs., works..lb. .28 - —
15,000 lbs., works...lb. .29 - —
5,000 lbs., works...lb. .30 - —
2987, bbls., 30,000 lbs., works..lb. .32 - —
15,000 lbs., works...lb. .33 - —
5,000 lbs., works....lb. .34 - —
3360, bbls., 30,000 lbs., works..lb. .38 - —
15,000 lbs., works...lb. .39 - —
5,000 lbs., works....lb. .40 - —
4006, bbls., 30,000 lbs., works..lb. .55 - —
15,000 lbs., works..lb. .56 - —
5,000 lbs., works....lb. .57 - —
4036, bbls., 30,000 lbs., works..lb. .40 - —
15,000 lbs., works..lb. .41 - —
5,000 lbs., works....lb. .42 - —
6882, bbls., 30,000 lbs., works..lb. .42½- —
15,000 lbs., works..lb. .43½- —
5,000 lbs., works....lb. .44½- —
8900, bbls., 30,000 lbs., works..lb. .48 - —
15,000 lbs., works..lb. .49 - —
5,000 lbs., works....lb. .50 - —
9476, bbls., 30,000 lbs., works..lb. .24 - —
15,000 lbs., works...lb. .24½- —
5,000 lbs., works....lb. .25 - —

Bakelite, phenolic, 100%, XR, 4503, dms., 30,000 lbs., works lb. .56 - —
15,000 lbs., works..lb. .57 - —
5,000 lbs., works....lb. .58 - —
modified, BR 302, dms., 30,000 lbs., works..lb. .26 - —
15,000 lbs., works...lb. .26½- —
5,000 lbs., works...lb. .27 - —
2072, bbls., 30,000 lbs., works..lb. .23 - —
15,000 lbs., works...lb. .23½- —
5,000 lbs., works...lb. .24 - —
2175, cns., 30,000 lbs., works..lb. .23 - —
15,000 lbs., works...lb. .23½- —
5,000 lbs., works....lb. .24 - —
2963, bbls., 30,000 lbs., works..lb. .24 - —
15,000 lbs., works...lb. .24½- —
5,000 lbs., works...lb. .25 - —
solutions, XJ, 180, dms., 30,000 lbs., works..lb. .179 - —
15,000 lbs., works.....lb. .184 - —
5,000 lbs., works.....lb. .189 - —
431, dms., 30,000 lbs., works, lb. .226 - —
15,000 lbs., works.....lb. .231 - —
5,000 lbs., works.....lb. .236 - —
2681, dms., 30,000 lbs., works..lb. .22 - —
15,000 lbs., works.....lb. .22½- —
5,000 lbs., works.....lb. .23 - —
3100, dms., 30,000 lbs., works..lb. .19½- —
15,000 lbs., works.....lb. .20 - —
5,000 lbs., works.....lb. .20½- —
6000, dms., 30,000 lbs., works..lb. .26½- —
15,000 lbs., works.....lb. .27 - —
5,000 lbs., works.....lb. .27½- —
6589, dms., 30,000 lbs., works..lb. .26½- —
15,000 lbs., works.....lb. .27 - —
5,000 lbs., works.....lb. .27½- —
7506, dms., 30,000 lbs., works. lb. .30 - —
15,000 lbs., works.....lb. .30½- —
5,000 lbs., works.....lb. .31 - —
8263, dms., 30,000 lbs., works..lb. .22 - —
15,000 lbs., works.....lb. .22½- —
5,000 lbs., works.....lb. .23 - —
8264, dms., 30,000 lbs., works..lb. .21½- —
15,000 lbs., works.....lb. .22½- —
5,000 lbs., works.....lb. .23½- —
8344, dms., 30,000 lbs., works..lb. .383 - —
15,000 lbs., works.....lb. .393 - —
5,000 lbs., works.....lb. .403 - —
9405, dms., 30,000 lbs., works..lb. .33 - —
15,000 lbs., works.....lb. .34 - —
5,000 lbs., works.....lb. .35 - —

Cumar, AX, dms., works.....lb. .06 - —
BX, dms., works.....lb. .06 - —
CX, dms., gross weight, works, lb. .05 - —
DX, dms., gross weight, works, lb. .04 - —
EX, dms., gross weight, works, lb. .04 - —
FX, dms., gross weight, works, lb. .05 - —
MH, col. ⅛, dms., works....lb. .12 - —
1, dms., works.....lb. .11 - —
1⅛-2, dms., works.....lb. .10 - —
2⅛ and darker, dms., works, lb. .09 - —
Cumar, MS, dms., works.....lb. .10 - —
P, 10°-90° C., col. 3 and darker, dms., works..lb. .10½- —
RH, dms., works.....lb. .10 - —
RS, dms., works.....lb. .10 - —
special soft, dms., works...lb. .10 - —
V, col. ⅛, dms., works....lb. .12 - —
1, dms., works.....lb. .11 - —
1⅛-2, dms., works.....lb. .10 - —
2⅛ and darker, dms., works, lb. .09 - —
W, col. ⅛, dms., works.....lb. .13 - —
1, dms., works.....lb. .12 - —
1⅛-2, dms., works.....lb. .11 - —
2⅛ and darker, dms., works, lb. .10 - —

Cumar prices include frt. equald, with Pittsburgh; prices on contracts terminating December, 1938, are ¼c. per pound lower.

D

Durez, 202, dms., 36,000 lbs., works..lb. .42 - —
l.c.l., works .....lb. .44 - —
210, dms., 36,000 lbs., works.lb. .15 - —
l.c.l., works .....lb. .16 - —
extra pale, 36,000 lbs., works, lb. .15½- —
l.c.l., works .....lb. .16½- —
500, dms., 36,000 lbs, works, lb. .32 - —
l.c.l., works .....lb. .33 - —
525, dms., 36,000 lbs., works, lb. .24 - —
l.c.l., works .....lb. .26 - —
550, dms., 36,000 lbs., works, lb. .29 - —
l.c.l., works .....lb. .30 - —

Durez c.l. prices also apply on mixed cars; three-month contracts are for price protection only; for Pacific Coast and Gulf points, ex warehouse, add 3c. per lb.

Durite,1,301 dms., 1 ton. frt.alld.lb. .30 - —
smaller lots, frt. alld....lb. .35 - —

G

G, resin, dms., gross weight, works..lb. .06½- —

G resin prices on contracts terminating December, 1938, are ¼c. per pound lower; Los Angeles and San Francisco ex whse., 3c. per lb. extra.

Guai-a-phene, 10-gal. cns., works, gal. 2.37 - —
5-gal. cns., works.....gal. 2.62 - —
1-gal. cns., works.....gal. 2.82 - —
dms., works.....gal. 2.50 - —

H

Hercolyn, dms. (nonreturnable), works..lb. .22 - —

J

Jozite (see Zinc-iron oxide pigment in regular price list above).

K

Kadox (zinc oxide), black or red label, bgs., c.l., dlvd..lb. .06½- —
l.c.l., dlvd. E. of Rockies.lb. .06¾- —
Pac. cst., ex whse.....lb. .06¾- —
bbls., c.l., dlvd.....lb. .06¾- —
l.c.l., dlvd. E. of Rockies.lb. .07 - —
Pac. cst., ex whse.....lb. .07 - —

N

Nevillac, dms., works.....lb. .17 - —
Nevillac prices on contracts terminating December, 1938, are ¼c. per pound lower; Los Angeles and San Francisco ex whse., 3c. per lb. extra.
Neville resin, R-1 nevindene, col. ½, dms., works..lb. .13 - —
R-3, nevindene, col. 1, dms., works..lb. .12 - —
R-5, nevindene, col., 1½-2, dms., works..lb. .11 - —
R-6, nevindene, col., 2½-3½, dms., works..lb. .10 - —
R-7, N.P.S., col. below 3, dms., works..lb. .12 - —
R-8, N.P.S., col. below 3, dms., works..lb. .12½- —
R-9, hard, col. ½, dms., works. lb. .12 - —
R-10, hard, col., 1, dms., works..lb. .11 - —
R-11, hard, col. 1½-2, dms., works..lb. .10 - —
R-12, hard, col. 2½ and darker, dms., works..lb. .09 - —
R-13, medium, col. ½, dms., works..lb. .12 - —
R-14, medium, col. 1, dms., works..lb. .11 - —
R-15, medium, col. 1½-2,dms., works..lb. .10 - —
R-16, medium, col. 2½ and darker, dms., works..lb. .09 - —
R-17, medium soft, col. 3½-8, dms., works..lb. .10 - —
R-19, medium soft, col. 3½-8, dms., works..lb. .10 - —
Neville, R-21, soft, col. 3½-8, dms., works..lb. .10 - —
R-22, special, soft, col. 3½-8, dms., works..lb. .10 - —
R-27, medium soft, col. 1, dms., works..lb. .12½- —
R-28, medium soft, col. 1½-2, dms, works..lb. .11½- —
R-29, medium soft, col. 2½ and darker, dms., works..lb. .10½- —
R-41, phenester, col. 3½-5, dms., works..lb. .17 - —

Neville resin prices are freight equalized with Phila.; prices on contracts terminating December, 1938, are ¼c. per pound lower; Los Angeles and San Francisco ex whse., 3c. per lb. extra.

Nevillite, dms., works.....lb. .75 - —
oil, dms., works.....lb. 1.50 - —
Nevinol, dms., works.....lb. .15 - —
2 heavy, dms., works.....lb. .11 - —
Nuba, 1, 80°-95° C., dms., gross weight, works..lb. .03 - —
2, 100°-125° C., dms., gross weight works..lb. .03 - —
3, 135°-150° C., dms., gross weight, works..lb. .04 - —

Nuba resin prices are freight equalized with Phila.; prices on contracts terminating December, 1938, are ¼c. per pound lower; Los Angeles and San Francisco ex whse., 3c. per pound extra.

Nuodex drier, cobalt, 4%, dms., dlvd. E. of Kas. City.....lb. .19½- .21½
6%, dms., same basis.....lb. .24½- .26¼
8%, dms., same basis.....lb. .32¾- .34
10%, dms., same basis.....lb. .43 - .45¾
Nuodex drier, cobalt 3%-lead 30%, dms., same basis..lb. .20 - —
cobalt 1%-zinc 10%, dms., same basis..lb. .22½- —
copper, 4%, dms., same basis.lb. .12 - —
6%, dms., same basis.....lb. .14 - .16
iron, 4%, dms., same basis...lb. .11 - —
6%, dms., same basis.....lb. .13 - —
10%, dms., same basis.....lb. .21 - —
lead, 16%, dms., same basis..lb. .10½- .11⅛
24%, dms., same basis.....lb. .14 - .18
32%, dms., same basis.....lb. .18 - .20
34%, dms., same basis.....lb. .19 - .20
lead 30%—cobalt 3% (see Cobalt).
lead 30%—manganese 3% (see Manganese).
manganese, 4%, dms., same basis..lb. .12½- —
6%, dms., same basis.....lb. .13 - .14
8%, dms., same basis.....lb. .18 - .19
10%, dms., same basis.....lb. .22 - —
manganese 3%—lead 30%, dms., same basis..lb. .17 - —
mercury, 25%, dms., same basis..lb. .55 - —
zinc, 5%, dms., same basis..lb. .13 - .14
8%, dms., same basis.....lb. .16½- .17⅛
12%, dms., same basis.....lb. .22 - .23
zinc 10%—cobalt 1% see (Cobalt).

P

Paradene, dms., gross weight, wks., frt. equal, with Phila. lb. .04 - —
P.H.O., dms., works.....lb. .19 - —

Nevil'ac—Vinylite

Pliolite, milled, dms., 1 ton, works..lb. .75 - —
smaller lots, works.....lb. .79 - —
unmilled, dms., 1 ton, works..lb. .66 - —
smaller lots, works.....lb. .69 - —

S

Surfex, bgs., c.l., frt. alld. up to 25c. per 100 lbs..ton.35.00 - —

T

Tornesit, bgs., ton lots, works..lb. .37 - —

V

Vinylite, AYAA, AYAF, AYAT, dms., 200 lbs., f.o.b. cars, works, frt. paid by seller to destination, E. of Mississippi river..lb. .45 - —
smaller lots, works.....lb. .60 - —
VYHF, dms., 200 lbs., works, lb. .55 - —
smaller lots, works.....lb. .65 - —
VYHH, dms., 200 lbs., works.lb. .57 - —
smaller lots, works.....lb. .67 - —
VYNT, dms., 200 lbs, works.lb. .75 - —
smaller lots, works.....lb. .85 - —
VYRR, dms., 200 lbs., works.lb. .55 - —
smaller lots, works.....lb. .65 - —

Trade Briefs

Atlantic Refining Company, Philadelphia, has opened a new water terminal and bulk storage plant at Wilmington, Del.

Dr. Charles Hugh Clarke has been appointed a member of the board of Lever Brothers & Unilever, Ltd., the British soap and vegetable oil combine.

Hendrick E. Hendrickson, of S. Winterbourne & Co., importer of natural resins, this city, has been elected secretary of the Shelter Island Yacht Club, Shelter Island, N. Y.

Jones & Laughlin Steel Corporation, Pittsburgh, has filed with the Securities and Exchange Commission a registration statement covering $13,500,000 in bonds.

Harold R. Deal, advertising manager for the Tidewater-Associated Oil Company, has been elected president of the Pacific Coast Advertising Clubs Association.

Richard S. Shutt, formerly affiliated with the chemical research department of the Sherwin-Williams Company, has joined the Battelle Memorial Institute, Columbus, Ohio.

Ford Hopkins Company, Chicago, has entered into a stipulation with the Federal Trade Commission not to advertise that "Char-Tex," an antiseptic, kills germs or bacteria in the mouth, or that by using the preparation one can effectively prevent diseases caused by germs in the mouth.

Florasynth Laboratories, Inc., manufacturer of synthetic aromatics, this city, has started construction of its Pacific coast plant at 4641 Hollywood boulevard, Hollywood, Cal. The laboratories will be housed in a new structure, which will be modernistic in design, of brick and concrete construction. Ten thousand dollars will be spent for equipment, and the completed plant will represent an investment of $29,500.

J. W. Snyder, of the research and development division of the Binney & Smith Company, has returned to his office after a six-weeks tour of Europe. Mr. Snyder spent a week at the Rubber Technology Conference in London, where he presented a paper prepared by himself and W. B. Wiegand of Columbian Carbon Company. Mr. Snyder visited the British Isles, the Continent and Scandinavia.

Wm. H. Jarden, jr., president of the McCloskey Varnish Company, Philadelphia, accompanied by Mrs. Jarden, and their son, Donald C., sailed on July 13 for a two months' vacation abroad. They will visit the lakes of England, and in Scotland, and travel extensively over the Scandanavian countries and other countries of Northern Europe, going to Iceland and the North Cape, returning home via Holland in September.

Kane Products, Inc., Towanda, Pa., has entered into a stipulation with the Federal Trade Commission to discontinue representations that its buttermilk facial beauty pack constitutes a competent treatment for oily or dry skin and removes wrinkles. Use of the word, "buttermilk," in the trade-name of the product will be stopped unless the buttermilk content is increased to the extent that definite beneficial results may be truthfully ascribed thereto, and the resultant product will achieve substantially the same results as will fresh buttermilk.

Cities Service Corporation, this city, is carrying on negotiations for a bank loan for $25,000,000 from a group of banks, headed by the Guaranty Trust Company of New York.

Phillips Petroleum Company will offer an issue of $25,000,000 of ten-year three percent convertible debentures, according to Frank Phillips, chairman of the board of directors.

Benjamin Franklin Paint & Varnish Company, a subsidiary of Sears, Roebuch & Co., will award contracts shortly for construction of a large addition to its Philadelphia plant.

Ethyl Gasoline Corporation has completed the construction of a new building in Los Angeles. The new building will serve as headquarters for the corporation's Pacific Coast division.

Michigan Gas & Oil Company stockholders voted to increase the authorized preferred stock from 10,000 shares of $100 par to 100,000 shares of cumulative $10 par value stock and to fix the interest rate on the new stock at fifty cents a share.

John R. Anderson, of Ralli Brothers, Ltd., shellac importer, this city, was a victim of a heart attack on June 26, during the night. Late last week, reports indicated that he was as well as could be expected but his physicians had ordered him to bed for at least two weeks.

Standolind Crude Oil Purchasing Company, Tulsa, Okla., transferred June 30 its properties and business to the Standard Oil Company of Indiana, of which it is a wholly owned subsidiary. A. W. Peake will have charge of the new crude purchasing department for the company.

Joseph O. Olson, vice president in charge of production for the McCloskey Varnish Company, Philadelphia, is taking a trip through the west accompanied by Mrs. Olson and their son, Joseph, jr. The Olsons plan to visit the Grand Canyon of Colorado, Los Angeles, Santa Catalina Island, and San Francisco, returning to Philadelphia via Chicago.

Affiliated Products, Inc., Chicago, has agreed in a stipulation with the Federal Trade Commission that it will discontinue representing that persons using its product, "Delica Brow," will obtain the same effect and "eye appeal" that movie and stage stars do; that its product cannot possibly harm the eyes; and that the compact containing its product is made of gold.

Fred J. Heines has joined C. K. Williams & Co., earth colors, at the company's Brooklyn office and warehouse.

Toronto Paint and Varnish Production Club golf prizes at the annual outting, June 18, were won by W. G. Ross, W. B. Ackerman, H. B. Carlaw, D. Roblin, H. M. Chamberlin, S. Stewart and N. Curry. The tennis tournament was won by A. E. Sparrow.

Crown Cork & Seal Company has sold to Crown Cork International 50,830 shares of capital stock of the Crown Cork Company of Belgium, S. A. subsidiary. Shares represented 50.83 percent of the voting power of the Belgian company, which owns 99.40 percent of the voting power of the Antwerp Cork Company, S. A.; 88 percent of Lous-Bock, S. A.; 33.33 percent of Crown Cork of Holland.

Chemical & Pigments Company, a subsidiary of the Glidden Company, Cleveland, of which H. L. Rhodes is manager, Baltimore, is erecting a one-story addition to its mill building.

T. M. Martin, vice-president of the Lion Oil Refining Company, El Dorado, Arkansas, has been named chairman of the domestic asphalt committee of the Independent Petroleum Association.

Standard Wholesale Phosphate and Acid Works, Baltimore, stockholders have re-elected W. B. Tilghman, of the W. B. Tilghman Fertilizer Company, Salisbury, Md., to its directorate.

H. B. Almond, vice president in charge of sales for the McCloskey Varnish Company, Philadelphia, is on a business trip through the middle west, visiting the company's offices at Chicago.

Ray Grisham, for several years manager of the Plainview mill of the West Texas Cotton Oil Company, Abilene, Tex., has been named vice-president and general manager, filling the position made vacant by the death of John F. Hardaway, July 12.

Medicinal and toiletry manufacturers in Bolivia have been listed by the Bureau of Foreign and Domestic Commerce, Washington, D. C. The list is available to accredited American firms at ten cents per copy.

Ebaugh Paint Company, now located on North Eutaw street, has leased a store at 2442 Greenmount avenue, Baltimore, and expects to move as soon as necessary alterations and improvements are completed.

Atlantic Refining Company, Philadelphia has let a contract for construction of 18,500-ton all welded turbo-electrically driven tanker to the Sun Shipbuilding & Drydock Company, Chester, Pa. It was estimated the new vessel would cost $2,500,000.

Joseph L. Huisking, of Charles L. Huisking & Co., drugs and chemicals, this city, is at Lake Bomaseen, Vt., where he and his family will spend the next three weeks vacationing. Mr. Huisking will try to straighten his drives and perfect his sand-trap technique by playing golf at the neighboring country club in Rutland.

Durez varnish tanked with drier—no skinning whatsoever.

Other varnish tanked with drier—excessive skinning.

Good-bye to "CURTAINS"

"*Curtains*" cost plenty in the form of waste varnish, skin-clogged pipes and strainers, tank cleaning and unnecessary labor. It has been estimated that with a 1000 gal. tank, over a period of a year, 50 gal. of varnish are lost in skins and added to this is the labor charge for cleaning. You can eliminate all this extra expense and trouble by using Durez—the 100% phenolic non-skinning resin—in your formulas.

For clear spar or floor varnish you can add driers at any time prior to tanking with full confidence that there will be *no skinning.* Your varnish is finished as tanked. Chance of shipping without drier during rush periods is avoided, too.

Durez resins are so strong in non-skinning properties that a small per cent of Durez Varnish is often blended with ester gum or other varnishes (having skinning tendencies) to keep them from skinning.

There is a Durez resin that will improve your product and yet give you top economy. Write for samples and suggested formulas to General Plastics, Inc., 118 Walck Road, North Tonawanda, New York.

DUREZ

PHENOLIC RESINS

Oil, Paint and Drug Reporter

Founded October 18, 1871, by William O. Allison

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Vol. 134 August 1, 1938 Number 5

Unreasoning Labor Tactics

The greatest need for the promotion of industrial recovery today is a practicable and effective means of protecting industry—and that means wage-earners, as well as owners and managers—against the unreasonable and unnecessary hazards of jurisdictional dissentions in the ranks of labor. The Federal labor relations law aggravates, rather than remedies, this increasingly deterring and destructive need. All other labor legislation failed to foresee this need.

Disagreement as to which of two labor organizations is representative of the majority of its employees is seriously handicapping a Philadelphia manufacturer of medicines and serums in its imperatively necessary service for the sick. One of the labor factions has called a strike, which has stopped the shipping of products that are everywhere needed for the saving of human lives. Such a condition should not be; it is a disgrace upon the standards of a civilized people.

Human affairs must be regulated by law and order. But, there is no law, no order which can be applied promptly and effectively to prevent unreasoning members of the human race who fall short of the qualifications of a human being from doing irreparable damage, not so much to the employer with whom they have at most a secondary grievance, as to suffering humanity wholly remote from every aspect of the strife—except its effects.

The right to refuse to work, the right to strike against unfair or otherwise objectionable conditions is not to be denied to labor. But, the right to prevent others from working at an acceptable task belongs to no man or group of men under any law. The statute which permits such interference is no law in behalf of orderly conduct, of reasoning human behavior, no matter how little the importance of the work that thus is halted. When this work is service for the sick, be it in hospital or in the manufacture or distribution of necessary remedial agents, any people that, in its government or in itself, permits such interference can lay little claim to civilization. Such things demand that government give to labor practices which prevent the doing of social good at least as much and as vigorous attention as it gives to those of direct social harm.

Drug Law Regulations

It is reasonable to look upon the regulations already approved and promulgated under the new Federal food, drug, and cosmetic act as indicative of the administrative conception of the applicability of the statute. It will be wise, therefore, that all members of the industries principally affected by this law study the regulations just issued with a view of ascertaining their full connotation.

There is evidence that the official concept is drawn to a fine point in the regulation having to do with the statutory definition of a "new drug." This definition is notably comprehensive in its idea of what is newness in respect of a drug, and this characteristic is officially far more than discovery or invention of a new therapeutic agent. It embraces new directions for the use of a long-known drug. It comprises changes in the proportions of compound formulas. Newness is a statutory ban on the free introduction of a drug when that characteristic is confined to the excipient in a pill or the coloring in a tablet-coating.

A finely drawn point is readily perceptible also in the regulation which sets up exceptions from the statutory provision that a part of an officially collected sample shall be furnished to parties interested in the testing of the article sampled in respect of its legal status. The chief exception is that an interested party will not get a part of the sample unless some of it is available after the official use of what was collected has been completed. That leaves a big niche for the introduction of reasonableness, or something else.

And there is something not exactly squared with the avoidance of suspicion in the provision that an interested party cannot get a part of a sample until that which has been collected has reposed in an administrative office or laboratory for an indefinite period. Usually the other party in such investigatory procedures is given a sealed portion of the sample at the time it is collected. Even in those circumstances it has not been uncommon to hear complaints that the sampler for a board of pharmacy had exposed the specimen of a volatile product to heat before dividing it into sealed portions.

It is commendable on the part of the administrative officials that they have invited criticism of the regulations necessarily hurried to approval. The law does not require them to do this. This evidence of reasonableness may be expected to permit correction of some of the objectionable features of the regulations.

—O-P-D—

Lesson in N.Y. Drug Bill

Early adoption of the proposed drastic control of the sale and advertising of drugs and cosmetics in this city is not to be expected. Eventual approval of any such drastic measures here is doubtful. But, the bill in the municipal council is a warning that must not be disregarded.

The New York city bill had its counterpart in Congress not many months ago. It is a close blood relation of bills that have been in State legislatures quite recently. Its antecedents, if not all its characteristics, are common to the existing law of Louisiana and that of North Dakota. Behind this measure is the influence of rebellious, unreasonable, small but vociferous consumer groups. These will be heard from in every State legislature continuously henceforth. Their bills, sporadically in evidence, and endemic in certain localities, will be epidemic next year—in Congress, as well as in State legislatures.

Enactment of a new Federal law demands revision of State laws for the sake of harmony, as well as for greater efficiency. The food, drug, and cosmetic industries must face this fact; and, facing it, they must meet it by preparing now a model State law extending the new Federal law. And they must get this bill into the convening legislatures on the first day, and push it vigorously to enactment.

—O-P-D—

His Science Was Human

Charles H. Herty was a learned, a patient, a far-seeing, and a practical scientist who made chemistry humanly understandable and humanly applicable. His death removes one of the world's ablest men from the much-desired purpose of adapting science to the broad service of humanity.

Charlie Herty was a merry, albeit a quiet, man; but he had a seriousness of purpose that few have attained. He was a versatile man, vocationally and avocationally. Ready and able to turn from successful endeavors to establish an independent chemical industry in the United States to the devising of a better turpentine cup. Working here to fathom the complexities of a hundred-atom organic compound; there to bring to his native and loved South a profitable use for its "weed" pines and to the press of the United States a cheaper paper.

Charlie Herty had high regard for the economic health of a community, and equally high regard for the bodily health of its people. He had native intelligence adequate to the demands of social trends. His work for better chemical service to medicine ranks abreast his development of pinewood as a source of paper and other cellulose products. His science was human, and for humanity he made use of it. His initials, "C. H.," out of his notable achievements could have no more apt interpretation than as "Chemistry's Humanizer."

—O-P-D—

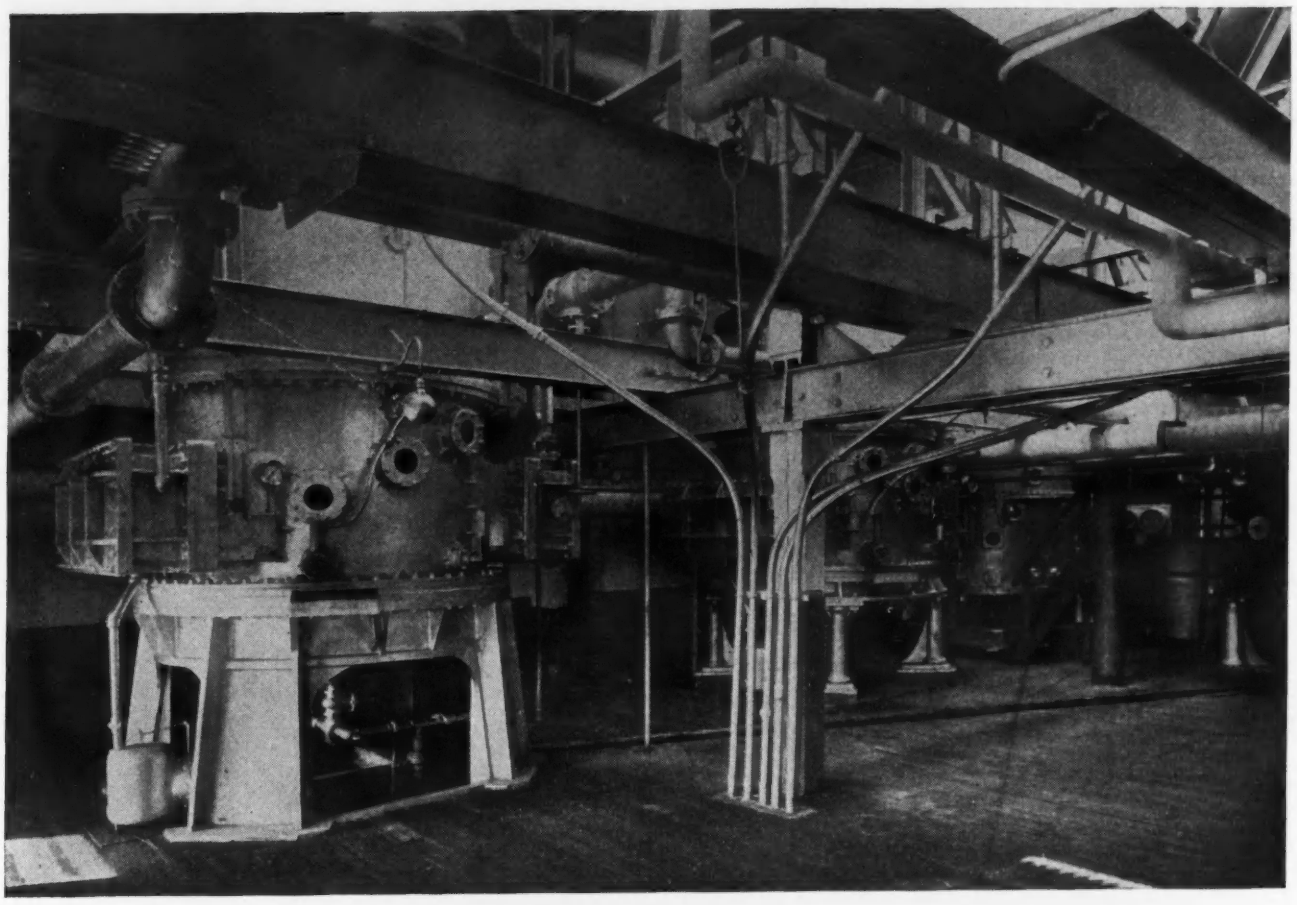
You'll Get It Yet

Some subscribers for the REPORTER, duly qualified to get a copy of the new edition of the Green Book, have already been led by the announcement herein last week of the starting of the mailing of this helpful handbook to inquire why their copies had not arrived. The only explanation—and it was true—was that their copies had not yet got through the mails; in some instances the names had not yet been reached by the addressers.

The REPORTER mailing list is arranged in the alphabetical order of the several States and then the foreign countries in which its subscribers are located. The names of the subscribers are arranged under the headings of the larger cities in each State—again alphabetically—and each of these lists, together with that comprising other localities in each State, have the subscribers' names in alphabetical order. So, even a most rapid addressing crew must take considerable time in passing from Subscriber Adams in Alabama to Subscriber Yates in Wyoming.

The mailing of the new Green Book is proceeding apace. It is understandable that those who are to get copies wish to have them as soon as possible—the book is that useful. All will be taken care of in due course—regard being had for maximum workweeks, hot weather, and other slower-uppers, everybody will get his new Green Book yet.

ESTABLISHED 1849



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BLUE VITRIOL

IRVINGTON SMELTING & REFINING WORKS

IRVINGTON NEW JERSEY

NEW YORK OFFICE
30 CHURCH ST.

Heavy Chemicals

Blue Vitriol Advanced—Oxides of Copper Higher—Tin Salts Firm —Fair Demand for Alkalies—Cyanides Dull—Alums Steady —Good Demand for Calcium Arsenate and Bordeaux Mixture

Movement of heavy chemicals into consuming channels was spotty last week. Seasonal inactivity in the automotive trade offset to some extent a moderate improvement in certain other consuming lines. Cautious buying was still in evidence, with large consumers showing no disposition to relinquish this policy. Metal derivatives continue to provide the chief price fluctuations. An advance in electrolytic copper was reflected in higher quotations for crystal and monohydrate blue vitriol, and red and black oxides of copper.

Seasonal chemicals, and certain products used by the leather and textile trades gave the best performance in the market. Glauber's salt, caustic potash, soda hydrosulphite, anhydrous soda sulphate and sulphur dioxide moved in fair volume. Alums were well taken. Anhydrous ammonia, carbon dioxide and chlorine showed seasonal tendencies. Alkalies were moving in fair volume. Demand for blue vitriol was well maintained. Demand for chemicals directly or indirectly affected by automotive operations lagged. Cyanides were quiet. Antimony was dull. Carbon bisulphide was a routine affair. Nickel salts continued to mark time. Drier weather conditions favored the movement of calcium chloride. Barium salts, calcium carbide, arsenic, fluorspar and copperas remain quiet, reflecting conditions in the metallurgical and ceramic industry to a large degree. Tin salts were steady to firm. Major consumers of sulphuric acid were not making substantial commitments. Calcium arsenate and bordeaux mixture showed a steady movement last week as the result of favorable weather conditions in various sections.

Price Changes

Prices were changed during the past week as follows:—

Advanced

Blue vitriol, 99 p.c., crystals, 10c. per 100 lbs.
monohydrated, 15c. per 100 lbs.
Copper, electrolytic, ¼c. per lb.
oxide, black, ¼c. per lb.
red, com'l, ¼c. per lb.

Reduced

None

Comparative Values

Index numbers compiled from twenty-five typical chemicals on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
149.2	149.1	149.0	154.4

Index numbers compiled from twelve typical acids on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
99.6	99.6	99.6	99.8

Market news that may have developed after this report was sent to press will be found on page 4.

Alums. — The market for alums enjoyed a diversified demand throughout the past week. The call for moderate quantities of soda alum, potash and ammonia alum came from the textile, tanning and dyeing trades. Commercial and iron free alumina sulphate was well taken up by the paper trade and for water treating purposes. Price schedules were well maintained. June imports of alumina sulphate totaled 232,000 pounds, valued at $2,058, all of which came from Belgium.

Ammonia, Anhydrous. — The market continued to display a normal seasonal reaction to the warmer weather prevailing in most sections of the country. No change was disclosed in the quotations.

Ammonia Nitrate. — Business in this direction was reported as spotty. Principal consumers in the majority of instances were ordering for nearby needs only. June imports amounted to 613,909 pounds, valued at $8,953, of which 418,000 pounds came from Belgium and 195,909 pounds from Norway.

Ammoniac, Sal. — The call for the white and gray material was quiet. Sellers were not experiencing a fair demand from the dry battery trade, while other consumers were adhering to a conservative purchasing policy. Quotations ruled steady to firm. June imports were 609,981 pounds, valued at $13,721, of which 72,752 pounds came from Belgium; 258,001 pounds from Germany; 55,118 pounds from Poland and Danzig, and 224,000 pounds from Canada.

Antimony. — Demand was held to small proportions throughout the past week. Large consumers such as the battery trade were limiting commitments. Domestic spot market was unchanged at 10¾c. per pound. June imports of antimony compounds totaled 167,991 pounds, valued at $17,881, all of which came from Belgium.

Arsenic.—Quiet conditions were the rule in the market for red and white arsenic. Withdrawals from the glass and ceramic trades were held to modest proportions. No change was disclosed in the price schedule. Imports of white arsenic during June aggregated 3,497,592 pounds, valued at $71,632, of which 367,877 pounds came from Belgium; 1,168,679 pounds from Sweden; 30,141 pounds from Canada, and 1,930,675 pounds from Mexico. June imports of red arsenic totaled 5,512 pounds, valued at $766, all of which came from Belgium.

Barium Salts.—Demand for the various barium derivatives continued highly irregular. The call from the metallurgical and ceramic trades continued quiet. Some interest was displayed for water purification and water softening purposes. No change was revealed in the quotations. June imports of barium compounds totaled 66,913 pounds, valued at $3,332, of which 7,769 pounds came from France and 59,144 pounds from Germany.

Bleaching Powder.—A fair movement of material was reported for disinfectant and bleaching purposes last week. Sellers reported a steady to firm tone prevailed in the market.

Blue Vitriol. — Quotations were advanced 10c. per 100 pounds for the 99 percent crystal material; monohydrated was 15c. per 100 pounds higher to conform with the increase in the basic metal last week. The market continued to demonstrate an active interest from consumers for horticultural and water purification purposes. Demand from abroad was well maintained.

Calcium Carbide. — Business in the market was still held to moderate quantities, reflecting to a large degree the low level of activity in the metallurgical industries. Quotations ruled unchanged. It is reported that current production of calcium carbide in Yugoslavia is less than 50 percent of the capacity, which is placed at over 90,000 metric tons annually. There are three producers operating four plants. The bulk of the carbide obtained is utilized in the manufacture of cyanamide at three of the four establishments.

Calcium Chloride.—A return of more normal weather conditions provided a slightly better interest in the market for dust control activities, the general rainy conditions during most of July retarded business somewhat, and sellers are looking forward to a belated demand during the month of August. Demand for other purposes was maintained at fair levels. A steady to firm price tone prevailed.

Carbon Dioxide.—A good seasonal demand continued in evidence last week. Usual large consumers were displaying interest for refrigerating purposes. Prices ruled firm.

Carbon Bisulphide. — Business from the lacquer trade and for solvent purposes was held to nearby requirements. Quotations were unchanged. A large Japanese company, which has decided to increase its capital from 2,000,000 yen to 5,000,000 yen, plans to increase carbon disulphide manufacture at Okayama, to extend sulphur production, and to engage in gold mining in Okayama.

Chlorine.—A good seasonal demand prevailed in the market. The call for water purification and sanitation purposes was showing a favorable trend for this time of year. The paper trade continued to show a steady interest for

Current prices on heavy chemicals are given in the alphabetical list of prices beginning on page 7.

chlorine. Quotations ruled steady to firm.

Cobalt Oxide. — Small quantities chiefly made up the call in the market last week. No change was reported in prices. June imports amounted to 16,590 pounds, valued at $23,312, of which 13,090 pounds came from France and 3,500 pounds came from Germany.

Copper.—Price of domestic copper was advanced last week to 10⅛c. per pound, delivered Connecticut Valley base. The strength in the foreign market was ascribed as the reason for the higher domestic price. Interests in copper dealings continued to be centered in the export market as the priced abroad rose to 10.45c. a pound, c.i.f. European base ports. However, later in the week quotations were around the 10.35c. per pound level. The higher quotations abroad resulted in scrap copper being advanced to 8⅝c. per pound for No. 1 or equivalent to 10⅛c. per pound on a refined basis. Domestic producing interest, however, state that at the moment there is no insistent local demand, although inquiry from independent sources is termed satisfactory.

Copper Salts.—Oxides of copper were advanced ¼c. per pound last week to conform with the higher quotations for the basic metal. Red oxide of copper was quoted at 15¼c. to 16¼c. per pound; black oxide of copper ranged from 14¾c. to 15¾c. per pound. Other copper derivatives such as acetate, carbonate, chloride, and nitrate were steady to firm. Business was along moderate lines.

Copperas.—A firm tone prevailed in the market throughout the past week. Supplies of this material remained at a low level, although steel operations continue to display an improvement, last week output was scheduled at 37 percent of capacity, compared with 36.4 percent in the preceding period and 84.3 percent in the corresponding period a year ago.

Fluorspar.—Activity in this direction was somewhat retarded by the lack of interest from principal consuming industries such as the metallurgical and building trades. Prices were without alteration.

Glauber's Salt.—A fair movement of material was reported in the market last week, the textile industry was broadening its demand in some sections. Quotations ruled unchanged.

Methyl Chloride.—The call for refrigerating purposes was held to modest quantities. Prices ruled unchanged. Difficulties are being faced by owners of air-conditioning buildings in Japan because of current restrictions over imports and sale of methyl chloride and ammonia. Japan is dependent on foreign countries for methyl chloride and certain other refrigerant gases and control of foreign exchange has stopped importations.

Nickel Salts.—Interest in the market was confined to routine requirements. Plating trade was making only necessary withdrawals, reflecting the seasonal low operations in the automotive industry. Quotations ruled unchanged.

Potash Carbonate. — The glass and soap industry supplied the major interest in the market last week for moderate quantities. Prices ruled steady.

Potash Caustic. — A better interest from textile consumers was reported in some quarters, while fair quantities were moving for the account of the soap trade. No change was reported in the prices.

Potash Perchlorate.—The call for explosive purposes was maintained at fair levels. Sellers were adhering to quotations previously established.

Saltcake.—A steady to firm tone prevailed in the market throughout the past week. The call came chiefly from the paper, glass and soap trades. June imports totaled 6,522 tons, valued at $75,986, of which 5,910 tons came from Germany, and 612 tons from Canada.

Soda Ash.—Interest was maintained at fair levels throughout the week under review. A slight broadening in demand continued in evidence from the textile industry. Quotations were well maintained.

Soda, Caustic.—The textile industry displayed a broader inquiry in some sections, while moderate demand was noted from the paper and rubber industries. Price schedules were without alteration.

Soda Chlorate.—A fair inquiry was uncovered in the market. The call for weed killing was showing a seasonal demand from large consumers. Prices ruled steady to firm. June imports were 607,800 pounds, valued at $28,232, of which 99,800 pounds came from France; 358,000 pounds from Germany, and 150,000 pounds from Switzerland.

Soda Cyanide. — Demand from the electroplating industry and metallurgical trades was confied to small quantities to take care of nearby requirements. Sellers reported no change in the quotations. June imports amounted to 2,603,981 pounds, valued at $226,803, of which 593,600 pounds came from Germany; 1,980,381 pounds from Canada, and 30,000 pounds from Japan.

Soda Hydrosulphite.—A broader inquiry was reported from the textile industry, reflecting improved operations in many sections. Quotations were steady to firm. June imports totaled 98,389 pounds, valued at $10,622, of which 35,272 pounds came from Czechoslovakia; 11,023 pounds from France; 7,040 pounds from Germany; 26,014 pounds from Switzerland and 19,040 pounds from the United Kingdom.

Soda Phosphate. — Business in the market for the mono, di, and tri enjoyed a diversified demand for fair-sized quantities, the call coming chiefly for water softening purposes, leather and textile trades. Price schedules were without alteration.

Soda Sulphate, Anhydrous.—A better inquiry was uncovered in the market from some large consuming channels such as the textile industry. The call for refrigerating and paper purposes was fairly steady. Quotations were without change. June imports totaled 217 tons, valued at $4,541, all of which came from Germany.

Soda Sulphide.—The paper and textile industry displayed a steady interest in the market for moderate quantities. Sellers were adhering to quotations previously in force. June imports aggregated 99,525 pounds, valued at $3,500, of which 11,122 pounds came from Belgium; 44,091 pounds from Germany, and 44,312 pounds from the Netherlands.

Strontium Nitrate. — Small quantities made up the call in the market last week. No change was reported in the quotations.

Sulphur Dioxide. — Shipments were moving at a fair pace from the various consuming channels, with the paper, refrigeration and textile trade displaying a moderate interest. The call for metallurgical purposes was dull.

Tin Salts.—A steady to firm tone prevailed in the market for various tin derivatives last week. Quotations for anhydrous tetrachloride of tin, tin crystals and soda stannate were unchanged. Straits metal was quoted around 43½c. per pound, unchanged from the previous week. Production of tin during June amounted to only 11,500 tons, the lowest monthly total since September, 1935, according to the International Tin Research Council estimates.

Zinc Sulphate.—A steady to firm tone prevailed in the market. Sellers report the demand from principal consuming channels was highly irregular, and in most instances confined to modest proportions.

Current prices on heavy chemicals are given in the alphabetical list of prices beginning on page 7

Acids

The market for various mineral acids was spotty throughout the past week. Encouraging signs of moderate improvement in some major consuming industries brought about a slightly better inquiry for some acids, and the outlook for late Summer and Fall seemed much brighter. Prices were without alteration. Major consumers of sulphuric acid were not making substantial commitments at this time. Acetic showed a moderate improvement in some directions. Chromic was dull. A fair inquiry was reported for formic. Gallic, lactic and muriatic were routine affairs. Nitric was steady to firm. Oxalic showed a fairly broad movement for moderate quantities.

Acetic. — While business was of a spotty nature, some betterment from the textile industry began to make its appearance in a moderate way. Quotations were without change.

Chromic.—Quiet conditions prevailed in the market, reflecting to a large degree the lack of any sustained interest from the plating trade. Quotations ruled steady to firm.

Formic.—A fair inquiry was uncovered for the account of the textile and leather trades last week. Prices ruled unchanged.

Gallic.—A moderate movement of this material was the rule, with large consuming continuing to display a cautious purchasing policy.

Lactic. — Business was described as

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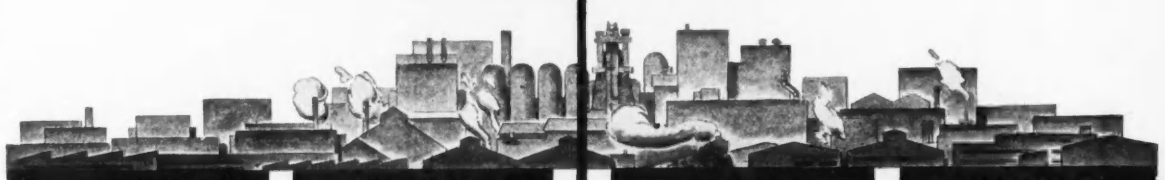
58% SODA ASH

Consistently preferred throughout industry in the manufacture of glass, paper, textiles, detergents, enamel ware, etc. . . . Unvarying in composition, purity and full strength.



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Diamond 76% Caustic Soda is the standard of commercial quality.—it is used extensively in the manufacture of cotton, rayon, soap, oil refining, chemicals, rubber reclaiming, etc.

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The quality of Diamond Bicarbonate of Soda exceeds the United States Pharmacopoeia standard,—indispensable in the manufacture of self rising flours, medicines, lumber-dip, fire extinguishers, leather, etc.

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Uniform purity combined with utmost safety in handling, nationally available in cylinders of 100 and 150 pound capacities. Also 15 ton multiple tank cars and standard 15 and 30 ton tank cars.

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A scientific aid to modern cleaning,—these light, fluffy, free-flowing crystals contain an ideal balance for safe and efficient cleaning. Dissolve instantly in hot or cold water—do not cake in the barrel.

CARBON TETRACHLORIDE

A non-inflammable, powerful solvent with remarkable properties and wide application. Its exceptional purity makes it especially desirable for dry cleaning purposes, oil extraction, leather cleaning, etc.

SPECIAL ALKALI

Diamond Special Alkalies are scientifically compounded to meet special cleaning requirements,—used in large quantities by brewers, beverage manufacturers, dairy plants, laundries, etc.

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A combination of a detergent, cleaner and disinfectant. Made especially for large scale cleaning operations such as hotels, restaurants, office buildings, dairies, bakeries, packing establishments, etc

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An exceptionally efficient and economical bottle-washing alkali made in flake form . . . eliminating dust. Assures long lasting solutions and thoroughly clean, sparkling bottles.

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DIAMOND ALKALI COMPANY

PITTSBURGH, PA. *and* EVERYWHERE

only routine, although some consumers such as leather tanning interests were making better commitments. No change was uncovered in the quotations.

Muriatic. — Demand was spotty through the week under review. A broader inquiry was reported in some directions, however, and quotations remained unaltered.

Nitric.—A steady to firm tone prevailed in the market, while business continued to show a hand-to-mouth buying policy in most instances.

Oxalic. — The market continued to show a broad interest from many consuming interests for small quantities, and some large consumers were making their appearance from time to time. Quotations ruled steady to firm.

Sulphuric.—While major consumers were disposed to await more tangible signs of business recovery before making any substantial commitments, evidences of moderate improvement in some major consuming industries was an encouraging factor. The steel industry continued to display higher operations with output scheduled at 37 percent of capacity, compared with 36.4 percent in the previous week, and the highest rate since November, 1937. Automotive output was expected to show improvement later in the Summer, while textile industry already has experienced improvement in several sections. Price schedules were well maintained.

Baltimore, July 27.—The sulphuric acid market maintains the position which it has held in recent weeks, with the demand what might be supposed at this time of the year, when there has been no opportunity to determine whether supplementary requirements will have to be taken care of or whether the early estimates as to the year's needs were large enough to cover wants throughout the year. Some supplementary wants may develop, but for the present they have not become apparent. The producers adhere to the figures that have been quoted for some time, they being $12 per ton for 60 degree and $15 per ton for 66 degree acid. Much the same condition of affairs prevails as to oleum, which is in limited request now, but the price of which is unchanged at $17 per ton for 20 percent supplies.

Insecticides

Demand for certain agricultural insecticides and fungicides showed a steady movement last week. Price schedules were well sustained. Calcium arsenate experienced a steady orderly demand from various cotton states. Bordeaux mixture enjoyed a belated demand from some Eastern states, particularly Pennsylvania, as the result of a potato blight. A normal seasonal demand was reported for lead arsenate.

The weekly summary reflecting decidedly unfavorable weather over two-thirds of the cotton belt but with favoring conditions in the West. Excessive rain caused rank growth and increased weevil activity, every state but Texas mentioning the fact that weather has fostered weevil propagation. According to Mississippi Plant Board the fields inspected last week showed an average infestation of 23 percent, compared with 15 percent last week and 10 percent a year ago.

A severe late blight, spreading rapidly in the wake of week long rains, threatens Pennsylvania's potato crop, according to reports. Already the late blight in Pennsylvania has reached greater proportions than any time on record for late July. Usually the disease does not become serious until later in the season.

Bordeaux Mixture.—A belated demand for this material was reported in some Eastern states affected by potato blight as the result of heavy rains recently. Pennsylvania in particular reports a severe late blight spreading rapidly in the wake of weekly long rains, and a continuance of wet weather may mean a severe epidemic.

Calcium Arsenate.—While no rush buying was experienced in the market, it was reported that an orderly consistent demand prevailed. The weekly weather summary showed decidedly unfavorable weather over two-thirds of the belt, but with favoring conditions in the West. Excessive rain caused rank growth and increased weevil activity, every state but Texas mentioning the fact that weather had fostered weevil propagation.

Lead Arsenate.—A normal demand for this material was reported last week. The heavy infestation of Japanese beetles was somewhat lessened by the heavy rains recently, and weather conditions will play an important factor from now on.

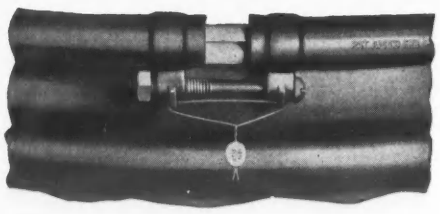
Current prices on heavy chemicals are given in the alphabetical list of prices beginning on page 7

BARIUM HYDRATE
BARIUM REDUCTION CORPORATION SOUTH CHARLESTON, W. VA.

TRICHLORETHYLENE
INTERNATIONAL SELLING CORP., 26 Beaver Street NEW YORK

SULPHURIC ACID
60° 66° 98%
Tank Cars—Carboys
Prompt Shipments
ROYSTER CHEMICAL WORKS
TOLEDO, OHIO
Division of
F. S ROYSTER GUANO CO.
NORFOLK, VA.

EASTERN
BOLTED RING SEAL DRUMS



WHERE added strength and security are needed use our "Bolted Ring Seal" drum shown above for shipping of Dry Chemicals, Dyestuffs, High Temperature Cements, Sweeping Compounds, Lime and Asphalts.
Supplied in Sizes from 10 to 70 gallons. Suitable for solids and semi-liquids.
We also make a complete line of Light Gauge Containers.
Write us for information regarding your container problems.
EASTERN STEEL BARREL CORPORATION
BOUND BROOK, NEW JERSEY

Hercules Powder Reports Net Income for Six Months

The Hercules Powder Company reports for the first six months of 1938 net earnings of $1,227,134, after providing for depreciation and Federal taxes. This is equal, after payment of preferred dividends, to 73 cents a share on an average of 1,316,710 shares of common stock outstanding during the period. Figures for the first half of 1937 showed net earnings of $3,037,012, equal, after payment of preferred dividends, to $4.70 a common share on an average of 590,722 shares then outstanding. Current assets, as shown at the end of the half year, amount to $20,738,251. This represents an 11.3 ratio to current liabilities. Cash and marketable securities amount to $9,623,114.

Activated Sludge Patent Suit Settled for $818,000

Activated Sludge, Inc., Milwaukee, and the city of Milwaukee have agreed on a sum of $818,000 for settlement of its long drawn out patent infringement suit. The United States Circuit Court of Appeals, Chicago, has approved of the agreement. The suit was brought originally by Activated Sludge, Inc., against the city of Milwaukee and the Milwaukee Sewage Commission, claiming $4,943,250 for infringement of its patent.

Monsanto Opens Slogan Contest

The June-July issue of "Current Events," house organ of the Monsanto Chemical Company, St. Louis, announces the opening of a prize contest to find a new phrase to describe the Monsanto company and its work. The magazine points out that since 1901, when the company was first organized, the slogan, "Chemicals of Quality," has appeared on advertising matter, labels, and correspondence. The contest, opened to all readers of "Current Events" has as a first prize, $100; second prize, $50; third, $25. These prizes will be paid for the best slogans submitted, regardless whether they are adopted or not. If the slogan is accepted for official use, a grand prize of $200 will be paid.

Du Pont Co. Earnings Released

E. I. du Pont de Nemours & Co., Wilmington, Del., in its preliminary statement, reports for the first half of this year $1.36 a share on the common stock. In the corresponding six months of last year $3.41 a share was earned.

For the quarter ended with June, the earnings, based on a comparison of the company's reports for the first quarter of the fiscal year and the six months period were equal to 71 cents a common share. This compared with 65 cents a share in the first quarter of 1938 and with $2.07 a share in the second quarter of 1937.

Texas Corporation has elected S. E. Olmsted, and J. S. Leach vice-presidents.

Trade Briefs

Aluminum Ore Company, a subsidiary of the Aluminum Company of America, has opened a new $4,000,000 plant in Mobile, Ala.

International Tinplate Cartel has been extended for a further three years, with the agreement now embracing countries hitherto outside the scheme.

Eastman Kodak Company, Rochester, N. Y., plans construction of a distilling addition to its Kodak Park plant, to cost more than $50,000 with machinery and equipment installation.

National Gypsum Company, Buffalo, has let the engineering and construction contract for a $1,000,000 wallboard plant, Savannah, Ga., to the George A. Fuller Construction Company, New York.

R & H chemicals department of E. I. duPont de Nemours & Co., Wilmington, Del., is distributing its quarterly price list. A price list for R & H chemicals, either monthly or quarterly, has been distributed for nearly forty years.

Sessions-Gifford Company, manufacturers' agent, is permanently located in new quarters at 47 McGrath highway, Somerville, Mass. The company, of which J. C. Wyman is manager, was formerly located at 40 Water street, East Cambridge, Mass.

Oliver United Filters, Inc., this city, has appointed C. W. Crumb as central division sales manager, with headquarters at 221 North La Salle street, Chicago. Mr. Crumb has been connected with Oliver United Filters for the past eleven years as sales engineer.

California-Engels Mining Company, San Francisco, Calif., requires some new financing if company is to resume active operations, J. O. Larson, president, has written stockholders in connection with a meeting August 1 to vote on reduction in par value of shares from $1 to 25 cents.

Diamond Match Company has disclosed in a report to the Securities Exchange Commission that it currently had an option to purchase 112,000 shares of its unissued stock of the Pan American Match Company. Early in 1938 the Diamond firm distributed to its stockholders 70,000 shares of the Pan American stock.

Callahan Zinc-Lead Company has received $310,000 at expiration of option on 316,000 shares not subscribed by stockholders under offering in January. Proceeds will be used for acquisition of control of Livengood Placers, Inc., with the program of preparing this Alaska property for production being continued.

Edward Everett Gibbs, Baltimore resident manager for the Continental Can Company, who died about ten days ago, left an estate valued, in the will filed in the Orphans' Court, Baltimore, in excess of $350,000. Mr. Gibbs had been one of the founders of the Southern Can Company, which was taken over by the Continental Can Company.

Mathieson Alkali Earnings In June Quarter Reported

The Mathieson Alkali Works reports for the quarter ended June 30, 1938, net profit of $193,152 after depreciation, depletion, federal income and undistributed profits taxes, etc., equivalent after dividend requirements on preferred stock, to 18 cents a share on 828,181 no-par shares of common stock. This compares with $516,726 or 58 cents a share on 830,423 common shares in June quarter of previous year and $172,400 or 16 cents a share on 828,181 common shares in quarter ended March 31, 1938.

For six months ended June 30, 1938, net profit was $365,552 equal to 34 cents a share on 828,181 common shares, comparing with $1.10 a share on 830,428 outstanding common shares.

E. M. Allen, president, stated that sales for the second quarter showed a continued improvement over those of the first quarter, with June sales the largest since October last year. Improvement in business by most of the customers of the company, Mr. Allen said, has been reflected only to a limited degree, due to customers decreasing their inventories, but he was of the opinion that there would be encouraging improvement in the latter part of the third quarter, provided, he added, that political reforms are not considered of greater importance than the economic progress of the country.

Obituaries

—*Continued from page* 4

of Industrial and Engineering Chemistry. He aided in the organization of the Chemical Warfare Service.

In 1919, President Woodrow Wilson sent Dr. Herty to Paris to negotiate with the reparation authorities for the purchase of impounded stocks of German dyes and chemicals to take up the slack in the requirements for this country. He succeeded in arranging for the importation of these supplies through the Textile Alliance, an organization of consumers, which prevented the American consumer from paying exorbitant prices.

In 1921, the year in which the Synthetic Organic Chemical Manufacturers' Association formed, Dr. Herty was named its first president. During that year he also became identified with the Chemical Foundation, and from 1926 to 1928 he served as adviser to the foundation. He also served as permanent chairman of a committee of the American Chemical Society on an institute for chemico-medical research, from its inception until the passage of the Ransdell bill in 1930, which assured the establishment of the National Institute of Health.

In 1928, Dr. Herty opened an office at 101 Park avenue, this city, as an industrial consultant, with the idea of acting as a connecting link between communities in the South looking for industrial development, particularly in chemical lines, and northern manufacturers and capital. In the meantime, he devoted considerable study to the slash pine region of the South, and soon had ample evidence that with conservation and reforestation of the slash pine region of the South the nation could be furnished with suitable domestic newsprint.

After failing to secure financial interests to come to his aid in the study looking toward the establishment of a newsprint industry in the South, the Chemical Foundation offered a grant of $50,000, with the proviso that the State of Georgia appropriate an additional $20,000 annually over a period of five years. In 1931, Dr. Herty was named director of the division of pulp and paper research of the Georgia State Department of Forestry.

Overcoming the long held belief that the Southern pine contained too much resin to compete with newsprint developed from the spruce pulp in Sweden and Canada, Dr. Herty, after ten years of devotion to the task, produced good white paper, whereas other efforts with the slash pine had produced only yellow paper. His product compared favorably with the imported newsprint, and, on January 15, 1938, the first unit of a $9,000,000 pulp mill was dedicated at Fernandina, Fla., with other mills being built throughout the South, some in fact, were as far west as Texas. In addition, Dr. Herty's experiments with the pine trees produced a fatty by-product which is utilized in the manufacture of soap, and his work with the gum trees also disclosed a new source for rayon.

Dr. Herty was honored in 1932 with award of the medal of the American Institute of Chemists, and with the Herty medal of the American Chemical Society, named in his honor, in 1934. He was appointed in 1933 deputy administrator of the National Recovery Administration, in charge of codes for the chemical industry. Besides the American Chemical Society, his membership included:—The American Association for the Advancement of Science; the American Electrochemical Society; the American Forestry Association; the American Institute of Chemical Engineers; the American Philosophical Society; the Chemical Society of London; the Franklin Institute; the Society of American Foresters and numerous other scientific societies here and abroad.

He was always deeply interested in athletics, having spent considerable time, while at Johns Hopkins University, on the baseball field, and in other extra-curricular activities such as the glee club, minstrel shows, as well as acting as cheer leader. It was while he was teaching at the University of Georgia that Dr. Herty introduced football to the South. He was also director of athletics at North Carolina University. Billiards and quail-hunting were also listed among his recreational pursuits.

Dr. Herty was married in 1895 to Miss Sophie Schaller, who died in 1929. He is survived by a daughter, Miss Sophie Dorothea Herty, Savannah; two sons, Charles Holmes Herty, jr., Bethlehem, Pa., and Frank Bernard Herty, Brooklyn, and a sister, Mrs. W. D. Hooper, Athens, Ga.

Appreciations of Dr. Herty

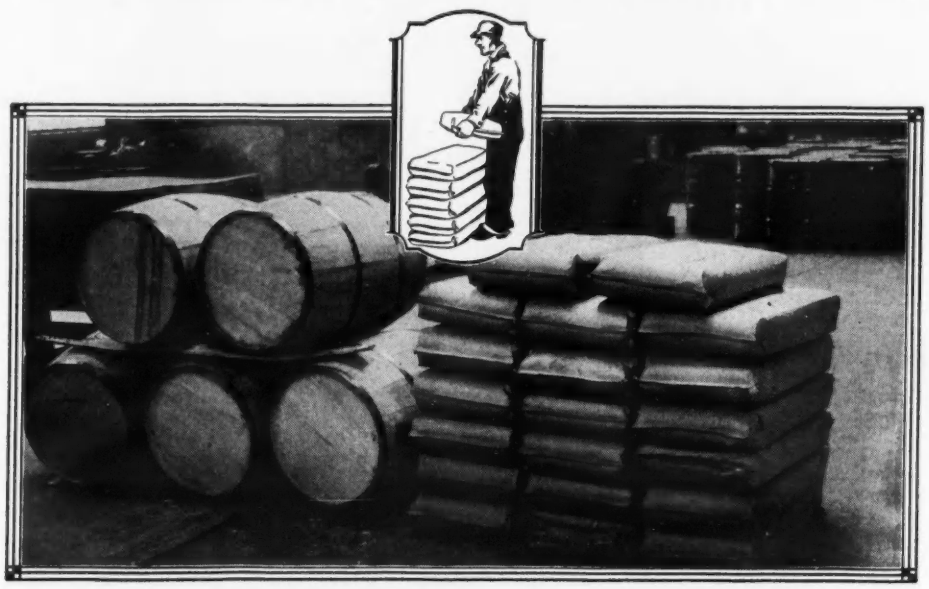
At the invitation of the REPORTER several members of the chemical industry who knew Dr. Herty well have expressed appreciative tributes to his memory:—

August Merz, president of the Synthetic Organic Chemical Manufacturers Association:—"In the passing of Charles H. Herty the chemical industry has lost a strong advocate and staunch supporter. He cannot be replaced. His enthusiastic convictions led him to fight in the forefront for an independent American chemical industry. In that battle he gave freely of his time and efforts. His personality was such that even his opponents respected his methods in conducting the campaign. After having accomplished his aim in placing the industry on a firm basis, he undertook a new campaign. The utilization of Southern pine for making paper, at first called a visionary project, became an accomplished fact through his untiring efforts. Being a son of the South, he felt a great satisfaction in seeing the establishment of great plants for the conversion of the Southern pine into paper in his native State, Georgia. It is unfortunate that he could not have lived to see his dream tested over a long period, but it is an assured success in which he found great happiness. We have lost a dear friend, a wonderful personality, a great crusader."

William W. Buffum, treasurer and general manager of The Chemical Foundation Incorporated:—"In the death of Dr. Charles H. Herty America has lost one of its great leaders and the South has lost one of its greatest friends and benefactors. It was one of my great privileges to have been associated with Dr. Herty for over twenty years. He was one of the founders of The Chemical Foundation Incorporated, and assisted Mr. Garvan greatly in helping to establish a self-contained synthetic organic chemical industry in the United States. He was one of the advisors of the foundation since its inception. In 1931 The Chemical Foundation Incorporated equipped a laboratory at Savannah, Ga., known as the Savannah Pulp & Paper Laboratory, where

—*Continued on page* 50

Asphalt in Jaite Multi-Wall Paper Bags



SATISFIES THE CONSUMER

Paper bags handle easily.
Asphalt kept clean until used.
Asphalt readily removed.
Easily measured: bags hold 100 pounds.
No container to return.

HEAVY DUTY WATERPROOFED JAITE MULTI-WALL BAGS MANUFACTURED BY THE JAITE COMPANY JAITE, OHIO

PLEASES THE DEALER

Convenient, branded package to sell.
No waste: assured profit on smaller sales.
Half the storage space required by barrels.
No container to return.

AND THE MANUFACTURER IS GRATIFIED

With the ease in which these 100 lb. units are filled, handled and shipped.
Because these containers are kind to those who handle them.

We manufacture Tailor-Made Paper Bags for Manufacturers and Shippers of Chemicals, Colors, Fertilizer, Rosin, Asphalt, etc., etc.

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FORMIC ACID

85% and 90% Strengths

Noted for its purity, uniformity and stability. Will not darken when exposed to light. Will not cloud up when diluted. Free from sulphates and chlorides.

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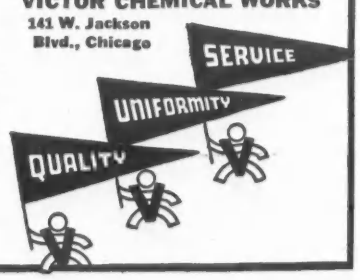

Industrial Uses of Chemicals and Related Materials

(Formerly styled "Where You Can Sell")

Producers' Guide to New Markets Technical Information for Processors

Fully protected by copyright

Six-hundred-fourth Recapitulative Instalment

(Parenthetical references are to the numbers of patents in the United States or other countries, as designated)

Amyl Dichlorostearate

Lubricant

Addition agent (Brit. 459719 and 422956) in—
Hydrocarbon lubricating oils
As a lubricant (Brit. 459719 and 422956)

2:1'-Benzothiazolylthiol-quinolin Methiodide

Dye

Process material (Brit. 454687) in making—
Cyanin dyes

Di-isoamyl Disulphide

Petroleum

Antioxidant and stabilizer (Brit. 462146) for—
Highly refined mineral oils
Lubricating oils which have been treated with sulphuric acid in the refining process
Viscous transformer oils

Formylglycol Salicylate

Pharmaceutical

Medicament (Brit. 456269) in—
Fatty ointments intended for percutaneous application claimed useful in the treatment of rheumatism

Methyldodecylamino-acetic Acid

Chemical

Dispersing agent (Brit. 446813 and 446737) in making—
Emulsions and dispersions of various chemicals
Emulsions of hydrocarbons of various groups of the aliphatic and aromatic series
Terpene emulsions
Wetting compositions in emulsified form
Starting point in making various derivatives

Cosmetic

Dispersing agent (Brit. 446813 and 446737) in making—
Creams in emulsified form
Emulsified shampoos
Lotions
Latherless shaving creams
Various emulsified perfumes and cosmetics

Disinfectant

Dispersing agent (Brit. 446813 and 446737) in making—
Emulsified germicides and deodorizing preparations

Dye

Dispersing agent (Brit. 446813 and 446737) in making—
Color lakes in emulsified form
Dye preparations in emulsified form

Fats, Oils, and Waxes

Dispersing agent (Brit. 446813 and 446737) in making—
Boring oils
Drilling oils
Emulsions of natural or synthetic waxes
Emulsions of various animal and vegetable fats and oils
Greasing compositions in emulsified form
Lubricating compositions containing vegetable or animal fats and oils
Solvents for fats in emulsified form
Wetting compositions containing oils in emulsified form
Wire-drawing oils in emulsified form

Ink

Dispersing agent (Brit. 446813 and 446737) in making—
Printing inks Writing inks

Insecticide

Dispersing agent (Brit. 446813 and 446737) in making—
Insecticidal preparations in emulsified form
Vermin exterminators in emulsified form

Leather

Dispersing agent (Brit. 446813 and 446737) in making—
Emulsified dressing compositions containing various substances, such as shellac, gums, resins, fats, and oils
Emulsified fat-liquoring baths
Emulsified finishing compositions
Emulsified soaking compositions containing neatsfoot oil or other oils
Emulsified waterproofing compositions

Miscellaneous

Dispersing agent (Brit. 446813 and 446737) in making—
Automobile polishes
Cleansing compositions containing soaps
Compositions for cleansing painted and metal surfaces
Degreasing and greasing compositions in emulsified form
Detersive and scouring compositions
Furniture polishes in emulsified form
Metal polishes in emulsified form
Scouring compositions for woodwork, linoleum, rugs, and the like
Shoe creams and polishes in emulsified form
Waterproofing compositions in emulsified form for treating various fibrous and other compositions of matter

Oilcloth and Linoleum

Dispersing agent (Brit. 446813 and 446737) in making—
Coating compositions

Paint and Varnish

Dispersing agent (Brit. 446813 and 446737) in making—
Asphaltic paints and varnishes
Emulsified paints and varnishes
Pigment emulsions
Shellac emulsions
Waterproofing compositions in emulsified form

Paper

Dispersing agent (Brit. 446813 and 446737) in making—
Emulsified preparations used for the treatment of paper and pulp products
Sizing compositions in emulsified form containing rosin, casein, starches, and the like
Waterproofing compositions in emulsified form
Waxing compositions in emulsified form

Petroleum

Dispersing agent (Brit. 446813 and 446737) in making—
Emulsions containing crude petroleum or heavy petroleum distillates
Emulsified cutting oils for lathe and screwpress work
Kerosene emulsions
Naphtha emulsions
Soluble greases in emulsified form
Soluble oils in emulsified form for lubricating textile machinery
Various emulsified textile oils

Resins

Dispersing agent (Brit. 446813 and 446737) in making—
Emulsions of natural or synthetic resins

Rubber

Dispersing agent (Brit. 446813 and 446737) in making—
Rubber compositions in emulsified form
Special emulsified preparations used for coating, protecting, decorating, and other surface-treating of rubber goods

Soap

Dispersing agent (Brit. 446813 and 446737) in making—
Hand-cleansing compositions in emulsified form
Various emulsified cleansing compositions
Various emulsified scouring compositions

Stone

Dispersing agent (Brit. 446813 and 446737) in making—
Compositions for treating natural and artificial stone

Textile

Dyeing

Ingredient (Brit. 446813 and 446737) of—
Dye baths in emulsified form (used as an assistant in dyeing various yarns and fabrics)

Finishing

Dispersing agent (Brit. 446813 and 446737) in—
Dressing compositions in emulsified form
Emulsified coating compositions
Emulsified finishing compositions
Emulsified impregnating compositions
Emulsified sizing compositions
Washing compositions in emulsified form

Manufacturing

Dispersing agent (Brit. 446813 and 446737) in—
Dispersions used for carbonizing of wool
Dispersions used in fulling operations
Dispersions used for degreasing raw wool
Dispersions used for washing wool
Emulsified preparations for degumming silk
Emulsified mercerizing baths
Emulsified milling compositions
Emulsions used for kier-boiling cotton
Emulsions used for soaking silk
Oiling emulsions for treating fabrics
Special lubricating compositions used in weaving, knitting, warping, and winding

Printing

Ingredient (Brit. 446813 and 446737) of—
Printing pastes in emulsified form

Monofluorododecane

Insecticide and Fungicide

Fungicide (Brit. 458179)
Insecticide (Brit. 458179)

Nickel-Phthalocyanin

Paint and Varnish

Pigment (Brit. 457786)

Paper

Starting point (Brit. 449805, 418367, and 410814) in making—
Printing pastes with the condensation product of formaldehyde and naphthalenesulphonic acid (these pastes, it is claimed, will color paper, cardboard, paperboard, and the like, equally on both sides, in brilliant shades of color)

Nonylic Acid Chloride

Chemical

Starting point (Brit. 453778) in making—
Emulsifying agents by sulphonating its reaction products with benzene, toluene, xylene, diphenyl, phenathrene, naphthalene, or tetrahydronaphthalene

Lubricant

Starting point (Brit. 453778) in making—
Lubricants with benzene, toluene, xylene, diphenyl, phenathrene, naphthalene, or tetrahydronaphthalene

2-Parachlorophenylthiol-quinolin Methiodide

Dye

Process material (Brit. 454687) in making—
Cyanin dyes

Sulphur

(All Varieties)

(Azufre, Azufre Lavado, Azufre Sublimado, Brimstone, Colloidal Sulphur, Commercial Sulphur, Creme de Soufre, Crude Sulphur, Elemental Sulphur, Fleur de Soufre, Flores Sulphuris, Flores Sulphuris Loti, Flotation Sulphur, Flowers of Sulphur, Fused Sulphur, Gereinigte Schwefel, Gereinigte Schwefelblumen, Lac Sulphur, Lac Sulphuris, Lait de Soufre, Lump Sulphur, Magisterium Sulphuris, Milk of Sulphur, Miner's Sulphur, Native Sulphur, Plastic Sulphur, Precipitated Sulphur, Refined Sulphur, Roll Brimstone, Rolled Sulphur, Schwefel, Schwefelblumen, Schwefelbluthe, Schwefelmilch, Soft Sulphur, Solfo, Solfo Precipitato, Solfo Sublimato, Solfo Sublimato e Levato, Soufre, Soufre Precipite, Soufre Sublime, Soufre Sublime Lave, Sublimed Sulphur, Sulfur, Sulphur Depuratum, Sulphur Flour, Sulphur Lotum, Sulphur Praecipitatum, Sulphur Sublimatum, Viscid Sulphur, Volcanic Sulphur, Washed Sulphur)

Agriculture

Disinfectant
Herbicide
Ingredient of—
Animal feeds
Insecticide
Treating agent for—

Animal drinking waters	Greenhouses
Cattle feeds	Kennels
Crops	Moulds
Feed storage	Orchards
Fungi	Outhouses
Grain storage	Poultry houses
	Stables

Analysis

Reagent in—
Analytical processes involving control and research

Brewing

Starting material in sterilizing—
Cooperage Hops

Building Construction

Ingredient of—
Acid-resistant and waterproof concretes and cements

Chemical

Reagent in—
Organic syntheses
Starting point in making—
Ammonium sulphocyanide
Bismuth sulphide
Carbon bisulphide
Copper sulphate
Ferrous sulphide
Hydrogen sulphide
Mercuric sulphide
Potassium sulphocyanide
Rhodanates
Sodium sulphocyanide
Stannic sulphide
Sulphides
Sulphurated potassium
Sulphur chloride
Sulphur dioxide
Sulphuric acid
Sulphur iodine
Sulphurous acid
Thiocyanates
Vermilion

Dye

In dye syntheses

Electrical

Process material in making battery—

Cathodes	Electrolytes
Containers	Pastes
Depolarizers	Separators
Electrodes	

Explosives and Matches

Ingredient of—
Gun powders
Matchhead compositions
Pyrotechnic compositions

(To be continued)

Dyestuffs, Textile and Leather Chemicals

Short Supplies Cause Another Advance in Ground and Leaf Sumac —Tanning Extract Prices Firm to Year End—Valonia Beards Reduced—J2 Myrobalans Higher

Demand for textile and leather chemicals was not quite as active as the early weeks of July. This was particularly true of bichromates and tanning materials, because consumers were not inclined to build up inventories to any extent, and were content to place commitments when needs became urgent. The month-end lull was expected to be short-lived, however, reports continue of improvement in leather and textile operations. Price changes in the market included higher prices for J2 myrobalans, ground and leaf Sumac; lower quotations were reported for valonia beards, domestic and imported egg albumen.

Raw tanning material provided the chief price feature, with higher prices again recorded for ground and leaf sumac because of the shortage of this material. J2 myrobalans were slightly higher and valonia beards were reduced. Prices for raw tanning extracts were steady to firm, and schedules will be extended at present levels for the remainder of the year. The market for tanning materials was somewhat slower than the previous weeks, but sellers were optimistic for the late Summer and Fall. Bichromates were steady, but month-end influences retarded business slightly. Both shoe manufactures and glove producers have been calling for leather at a steady rate, and tanners have continued to hold their prices firm. Shoe operations during July were estimated about 15 to 20 percent ahead of June. Government purchases of surplus clothing was well underway, and inventories were expected to dwindle, necessitating increased operations later in the season.

Egg Products were dull, quotations for egg albumen crystals and powdered materials were reduced. Imported egg albumen also was lower. Corn derivatives were steady last week, and business maintained at fair levels. Annatto and cochineal were firm features in the natural dyestuff market, sellers report business was moderate and spotty. Zinc dust was firm. Alumina chloride was in fair demand. Potash and soda prussiate were moderately active.

Price Changes

Prices were changed during the past week as follows:—

Advanced

Myrobalans, J2, 50c. per ton.
Sumac, ground, $2 per ton.
leaf, $2 per ton.

Reduced

Albumen, egg, dom., cryst., 2c. per lb.
powdered, dom., 1c. per lb.
imported, 2c. per lb.
Valonia, beards, $2 per ton.

Comparative Values

Index numbers compiled from nineteen typical dyestuffs on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
151.9	**152.0**	**151.9**	**154.1**

Market news that may have developed after this report was sent to press will be found on page 4.

Chemicals

Alumina Chloride. — Business was maintained at fair levels throughout the past week. Textile consumers in some sections were reported broadening commitments. Quotations were unaltered.

Antimony Salt. — Usual consumers continued to come in the market for moderate quantities. Sellers were adhering to quotations in force previously.

Potash Bichromate.—Demand from the leather and textile consumers was holding fairly steady last week. Quotations were maintained at previous levels.

Potash Prussiate.—The call for the red and yellow material was chiefly concerned with moderate withdrawals for current requirements. Prices were in conformity with the preceding period.

Soda Bichromate.—Sellers could point to a better interest from major consuming channels. Distributors in some sections were making replacement orders more frequently. Quotations ruled firm.

Soda Prussiate.—A fair interest was displayed in the market throughout the week just closed. No change was reported in the quotations. June imports amounted to 177,586 pounds, valued at $10,107, of which 65,812 pounds came from the Netherlands, and 111,774 pounds from Japan.

Zinc Dust.—A steady to firm tone prevailed in the market again last week. Business was along moderate lines for the most part.

Dyestuffs

Annatto.—The call for the seed and paste material was spotty. Usual consumers were still displaying a cautious purchasing policy. Quotations remained unchanged.

Archil.—A fair inquiry was uncovered in this direction at times. Commitments, however, were held to moderate quantities. Prices ruled unchanged.

Cochineal.—Consumers were showing a better interest in some sections. Sellers report a steady to firm price tone governed the dealings.

Indigo.—Demand for the synthetic and natural indigo was showing signs of broadening, although a moderate purchasing policy still prevailed. Quotations were unchanged.

Logwood.—A steady to firm tone ruled in the market last week. A better inquiry was uncovered in some directions for small quantities. June exports totaled 26,870 pounds, valued at $3,838, of which, 2,200 pounds went to Belgium; 13,057 pounds to Canada; 2,860 pounds to Brazil; 1,792 pounds to Japan, and 4,704 pounds to Australia.

Madder Dutch.—Business was highly irregular at times, with some consumers coming into the market for fair quantities when supplies became depleted. Quotations ruled unchanged.

Sizing Material

Albumen, Egg.—Domestic quotations were reduced 2c. per pound for the crystal and 1c. per pound for the powdered material, imported material moved in conformity with the lower domestic prices. Business was dull, and this could be attributed to seasonal conditions in major consuming channels.

Dextrin.—A fair amount of business was reported in the market last week. Price situation remained unchanged from the previous period. June imports of dextrin and substitutes totaled 243,136 pounds, valued at $15,950. Favorable weather conditions were expected to boost corn production to a point where a referendum among farmers on imposition of marketing quotas would be required. Weather conditions in the next few days will have an important effect on production because the corn crop is now in the most critical stage of development.

Sago Flour.—Sellers could point to some improvement in buying from large consumers, reflecting to some degree improved conditions in the textile industry. Quotations were without change.

Starch.—Prices for powdered and pearl corn starch were steady last week. A fair amount of business was reported on the books last week. Potato starch was moving at a moderate pace, and quotations continue unaltered. A decision against making effective a potato marketing agreement and order program covering interstate shipments of potatoes grown in thirteen early and intermediate States has been announced by the AAA.

Tanning Materials

Mangrove Bark.—A steady to firm tone ruled in this direction last week. Business was fairly well maintained last week.

Myrobalans.—Quotations for the J2 myrobalans were slightly higher at $19.50 per ton; quotations for J1 and R2 myrobalans were without change. Extract prices were unaltered, and quotations will be extended at present levels for the remainder of the year. Business was inclined to taper off slightly from the previous period.

Quebracho Extract.—Business in this market was not quite as active as the last few weeks, but a steady to firm tone prevailed.

Sumac.—A shortage of this material was instrumental in bringing about another advance of $2 per ton for the ground and leaf materials at $67 and $69 per ton, respectively. Extract prices will be extended for the remainder of the year. Business was spotty at times last week.

Valonia. — Quotations for valonia beards were reduced $2 per ton to $45 per ton; cups were without change. Extract quotations were firm, and prices will be extended for the balance of the year. Business was only moderate last week.

Current prices on dyestuffs and tanstuffs are given in the alphabetical list of prices beginning on page 7

Wishnick-Tumpeer Magazine Has Interesting Articles

"Witcombings," published by Wishnick-Tumpeer, Inc., chemical materials, this city, contains many features in its June issue. The cover depicts a machine showing the method by which the weight of bags at the Continental Carbon Company plant is checked. Articles pertaining to industry covers a wide range, including rubber, paint, printing ink, tanning, as well as a column devoted to new developments in equipments and products.

Carbon Dioxide Freights Lower

The New York Public Service Commission has approved cancellation of commodity rates on the following:

Of the New York Central (East) and West Shore railroad on solid carbon dioxide, carload, from Niagara Falls and Suspension Bridge to various points; from Niagara Falls to Albany, Utica, Syracuse and various New Yrok City stations. Advances to class rates. Effective August 15, 1938.

Chemical Workers Down; Payroll Totals Decline

—Continued from page 3

Data compiled by the Bureau of Labor Statistics for basic non-manufacuring industries related to the chemical industries afforded the following comparisons on the basis of the 1929 average:—

	Employment.		Payroll totals.	
	June, 1938.	May, 1938.	June, 1938.	May, 1938.
Metalliferous mining	55.0	58.4	45.4	50.3
Quarrying and non-metallic mining....	43.6	43.9	36.9	38.2
Crude petroleum producing	72.6	72.8	67.4	66.5
Dyeing and cleaning	111.5	109.6	82.6	80.2

Employment in New York

Employment in factories producing chemicals and related products in New York State decreased 0.7 percent from May 15 to June 15, and increased 0.7 percent in the city, according to the records of the State Department of Labor.

General factory employment decreased 2.1 percent from May 15 to June 15, and payrolls decreased 1.6 percent during the same period. The department's index of employment for June was 71.3 percent. The payroll index was 63.3 percent. These indexes are based on the average years 1925-27 as 100.

June Compared with May

	Percentages— State.	City.
Drugs and industrial chemicals.	—0.5	—0.5
Oil products.....	—1.7	+1.9
Paints and colors.....	—1.2	—0.8
Photographic and miscellaneous chemicals	—0.4	+6.5

Imperial Chemical Subsidiary Preference Shares Offered

London, July 9, 1938

Imperial Chemical Industries of Australia and New Zealand, Ltd., subsidiary of the great British chemical combine, announces a public issue of £1,000,000 5 percent cumulative preference shares. The present paid-up capital is £3,732,569, all in ordinary shares, the majority being held by the parent concern and the remainder by Australian companies.

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Coaltar Chemicals

Benzol Production Continues to Show Sharp Decline—Further Broadening in Demand for Intermediates and Colors—Phenol Steady—June By-Product Output Lower

Continuance of the improvement reported recently in coaltar intermediates and colors prevailed in the market last week. The broader inquiry was attributed to the more active textile operations in various sections of the country. Basic coaltar products continued to lag, reflecting seasonally low operations in certain basic consuming industries. Pricewise the market was featureless. However, quotations generally steady to firm.

Benzol remained a firm feature, with supplies at a low level. The June production was 4,413,000 gallons, compared with 4,905,000 gallons during May and 9.517,000 gallons in June, 1937. For the first half of 1938 production amounted to 32,431,000 gallons, against 60,921,000 gallons in the corresponding period last year. Cresol was a routine affair. Creosote oil failed to display any change from the quiet conditions prevailing previously. Cresylic acid was quiet. Naphthalene remained dull. Phenol was in slightly better demand in some directions, particularly from dyestuff manufacturers. Toluol and xylol withdrawals were held to modest quantities.

Price Changes

Prices were changed during the past week as follows:—

Advanced

None

Reduced

None

Comparative Values

Index numbers compiled from twenty typical coaltar products on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
125.9	**125.9**	**125.9**	**127.2**

Market news that may have developed after this report was sent to press will be found on page 4.

Production of coke from byproduct and beehive ovens in the United States amounted to 2,118,330 net tons in June, the average daily output of 70,876 tons being 6.6 percent less than the May rate of 75,879 tons, and 51 percent under the rate obtained in June a year ago. June marks the tenth successive month of coke recession, and represents a drop of 55 percent from the high level of 1937 reached in March. Output for the first half of 1938 decreased to 15,220,446 tons from 27,519,828 tons in the corresponding period last year, or a loss of 45 percent.

Output of byproduct coke for the 30 days of June was 2,066,530 tons, or 68,884 tons per day, a decrease of 6.4 percent in comparison with the May rate of 73,633 tons. The bulk of the decrease occurred at furnace plants, where the operating rate, reflecting the continued decline in iron and steel activities, dropped 8 percent. At merchant plants the loss amounted to only 4 percent. Two plants discontinued operations during the month, reducing the number of active plants to 80, of which 76 made ammonia and 52 made benzol. Stocks of byproduct coke rose to 3,375,002 tons by the end of June, to the highest level since the latter part of 1934. The increase over May reserves amounted to 3 percent, shared almost equally by both types of plants, according to the Bureau of Mines.

The light oil June recovery totaled 8,528,529 gallons, compared with 9,416,186 gallons during May and 16,842,864 gallons in June, 1937. The total for the six months was 60,760,442 gallons, against 107,442,513 gallons in the corresponding period a year ago. June tar production was 25,966,586 gallons, contrasted with 28,658,214 gallons last month and 51,281,024 gallons in June, 1937, and the first six months total was 184,995,710 gallons, as against 327,127,378 gallons in the same period last year. Ammonia sulphate, or its equivalent, June production was 55,934,000 pounds, compared with 64,004,000 pounds in the preceding month. For the first half of this year production totaled 404,211,000 pounds.

Basic Products

Benzol.—The market for benzol offered little in the way of new developments as far as supplies were concerned. The low production levels have been overhanging the market for some time, causing sellers some embarrassment when it came to filling large-size orders promptly. The production figures, released by the Bureau of Mines, showed June output of benzol at 4,413,000 gallons, compared with 4,905,000 gallons in the preceding month and 9,517,000 gallons in the corresponding month a year ago. Production for the first six months aggregated 32,431,000 gallons, against 60,921,000 gallons in the same period a year ago. While steel operations were scheduled at 37 percent of capacity last week, the highest rate since November, 1937, it was felt that the improvement has not been sufficient to alter the coking oeprations enough to influence the production of benzol materially. Shipments of pneumatic casings during June totaled 4,025,018 units, contrasted with 3,372,118 units in May and 5,389,274 units in June, 1937. For the first six months of 1938 shipments amounted to 18,346,494 units, compared with 30,991,302 units in the same period last year.

Cresol.—There was comparatively little of interest to report in this market last week. The call for disinfectant purposes and the synthetic resin industry continued moderate. Prices ruled unchanged.

Creosote Oil.—The market failed to display any change from the quiet conditions prevailing previously. Commitments by leading consuming interest were held to nearby needs. Quotations continue unchanged.

Cresylic Acid.—Quiet conditions continue to prevail in the market. The synthetic resin industry and other consumers were adhering to a narrow purchasing policy. Prices offered no change from the preceding period. No new developments were reported in the import market.

Naphthalene. — The call for refined and crude naphthalene remained dull. Seasonal influences were partly responsible for the lethargy. Sellers report some interest in the West for cattle dipping purposes. An outbreak of foot and mouth disease in northern Natal is causing considerable concern to cattle owners throughout the Union of South Africa. More than 300,000 cattle are in the affected area, according to the office of the American commercial attache.

Phenol.—A better interest was uncovered in some directions, with the dyestuff manufacturers taking a slightly more active part in the market. The call from the plastic and synthetic resin industry continued quiet. Quotations ruled steady to firm.

Tar Acid Oils.—Heavy rains in various sections have not stimulated business for various grades of tar acid oils materially. Despite the prolonged rain few floods of consequence were reported. Prices scheduled remain unaltered.

Toluol.—Seasonal dullness in the automotive industry continued to be reflected in a lack of interest from the lacquer trade. Prices were unchanged.

Xylol.—Withdrawals were held to modest quantities. Summer shut down in the automotive trade brought little support to the market. No change was disclosed in the quotations.

Chicago Coaltar Bases

Buying of various grades of coaltar bases is showing no important change in nature at this time. Feeling seems to be fairly stable, and the price structure holds its own, seemingly without difficulty. Purchases mostly are in lots of limited size. Ruling prices exclusive of tax are:—Benzol, 90 percent, 16c. to 17c. per gallon; motor benzol, 10½c. to 11c.; toluol, 22c.; 10-degree xylol, 28c.; solvent naphtha, 26c.; creosote oil, grade 1, 13½c. to 14c.

Coaltar Acids

Anthranilic. — Usual consumers were supplying a fair interest for moderate quantities throughout the past week. Quotations ruled firm.

Current prices on coaltar products are given in the alphabetical list of prices beginning on page 7

Cleve's.—The market experienced another routine week, with dealings confined to modest withdrawals in the majority of instances. Prices were unaltered.

Maleic.—A fair inquiry was reported in this direction for the powdered and anhydride materials. No change was reported in the quotations.

Salicylic.—Demand was well maintained from usual consuming channels for quantities commensurate with nearby production requirements.

Sulphanilic.—A steady to firm tone prevailed in the market again last week. A fair demand was in evidence.

Other Intermediates

Alphanaphthylamine.—A fair movement of material was reported in the market last week. Quotations were without alteration.

Anilin.—A broader inquiry was experienced in this direction, with the improvement in the textile industry accountable for the better interest. Quotations ruled unchanged.

Anthraquinone. — Sellers could point to a moderate improvement in the market throughout the past week. A steady to firm tone governed the dealings.

Betanaphthol. — Movement of the various grades of betanaphthol was fairly steady, and the volume of business was reported slightly better.

Dinitrobenzene.—A revival of interest was reported in some directions last week. Sellers were adhering to quotations in force previously.

Dinitrotoluene.—Shipments were moving at a better pace, although the commitments were held to moderate proportions in most instances. Prices ruled steady to firm.

Monochlorobenzene. — A steady to firm tone continued to prevail in the market. Business was at a comparatively good level throughout the past week.

Coaltar Colors

The market for coaltar colors continued to display a broader inquiry last week. Reports were to the effect that business in July maintained the improvement noted in the latter part of June. Prices offered no changes, and a steady to firm tone prevailed. Sellers attribute the better interest to the improvement in the textile situation in various sections of the country. A warm medium green was introduced by the Dress Creators League of America, Inc., as suitable for Fall and Winter fashion promotions. The new color, "Northern Sea," was developed in twenty-eight costumes with contrasting accessories. The versatility of the new shade was illustrated by the number of colors with which it was combined or contrasted.

Dr. J. Ehrlich, formerly chief chemist for the Verona Chemical Company, Newark, N. J., has opened an office at 232 Overlook avenue, Belleville, N. J., and plans to establish a consulting laboratory in Los Angeles, Calif., in the Fall.

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Two Years of the Patman Act

—*Continued from page* 3

"net" price of the goods to the producer, the actual or net price being the delivered price less the cost of freight from the manufacturer's plant to the place of business of the particular buyer. The commission then takes this net return to the manufacturer as the basis for comparison of prices, and from such comparison alleges that producers not located in Birmingham are accordingly discriminating in price between their buyers. The commission goes on to point out that buyers located at the place of the producer's plant—except at Birmingham—are in fact sold at a higher actual price than other buyers, particularly those nearer geographically to Birmingham than the producer itself.

It is most interesting to note that the commission does not appear to allege in its complaint that the buyers themselves are thereby injured. The basis for the complaint, insofar as the Robinson-Patman act is concerned, is that price competition among the producers themselves and with nonmembers of the association is eliminated and destroyed. The commission contends that each producer that follows this delivered price basing point system reciprocally waives the geographical advantages it has in certain markets so as to eliminate competition in price among all the producers.

Multiple basing point systems have also been challenged by the commission in a complaint filed by it against the Cement Institute and seventy-five cement manufacturers.[66] Here, instead of using one place as a basing point from which freight is to be computed, a number of geographical locations are used. The commission again takes the true or "net" price received by the producer as the basis to determine whether unlawful price discrimination exists. Since the net return to the producer, which is the delivered price less the cost of the actual freight from the producer's plant to the buyer's place of business, is different with respect to differently located buyers of the same grade and quality of goods, the commission contends that the act has been violated.

Zone Delivered Price Systems

The commission has recently filed a complaint against a number of fence manufacturers and their association,[67] challenging the legality under the Robinson-Patman act of a delivered price zoning system. It is alleged by the commission that each of the producers sold his products at the same delivered price to all buyers located within a zone which included the New England States, New York, New Jersey, Pennsylvania, Delaware, Maryland, Virginia, West Virginia, and Ohio. As long as the buyers were located in any of the foregoing States, they all paid the same price, all of the freight charges being absorbed by the producer.

The commission points out in its complaint that, although this uniform delivered pricing system does enable more producers to compete in territories which they would otherwise not be able to reach and also gives the buyers a wider choice of purchasing from among a greater number of sellers, true price competition was being eliminated and prevented and monopoly effected. The commission accordingly charged that this identically delivered pricing system created unlawful price discriminations in violation of the Robinson-Patman act.

The Cast Iron Soil Pipe, Cement, and United Fence complaints manifestly show the commission's opposition to basing point and delivered price systems. Applying the commission's theory of using the actual or net price received by the seller as the basis for comparison of prices, it would follow that virtually any delivered price system of quoting prices would be challenged by the commission. Manufacturers who sell on a delivered price basis must by necessity, in many instances, be absorbing some of the freight charges of their customers. This in turn must make for varying "net" prices received by the manufacturer and present prima facie cases of illegal price discriminations under the act. For that matter, any practice where freight is in whole or in part absorbed in the price by the seller, might under the "net" price test used by the commission in the Cement and Cast Iron Soil Pipe cases be deemed vulnerable under the act.

Freight-Equalization Systems

Many manufacturers sell on a freight equalized basis wherein all buyers are charged the same f.o.b. price but need only pay freight from the location of the plant or warehouse of any competitor of the manufacturer which is nearest to the buyer, instead of from the seller's plant. It is most doubtful, however, whether the commission would deem this freight equalization method of selling to be in violation of the act.

For one thing, the occasions for price differentials arising under a freight equalization system are far less frequent than under a delivered price basing point system such as used by the Cement or Cast Iron Soil Pipe Industries. Moreover, in a freight equalization pricing system, the amount of freight charges that may occasionally be absorbed by the manufacturer and the difference in his "net" price occasioned thereby, would be very small, at least as compared with the resale price of the goods. This in turn may bring the price differentials into the category of defensible discriminations on the theory of the Kraft-Phenix case that there can be no injurious effect on competition from "minute or negligible" price differentials.[68]

Still a further argument can be advanced in support of the legality of freight equalization pricing methods. We have heretofore considered one type of "defensible discrimination" involving sales to buyers who, because of different geographical locations, are non-competing. Price differentials as between such geographical noncompeting buyers will usually fall within the category of defensible discriminations. Applying the same reasoning to freight equalization systems, it will usually be found that buyers who compete with one another are located in the same general geographical area and will accordingly pay the same "net" price for their goods. If the "net" price is in some instances not identically the same for all competing buyers, the difference will usually be so small that it would hardly show up in the resale prices of the goods and would have little, if any, effect on competition. In such cases, the "net" price differentials would fall in the category of defensible discriminations.

This entire problem of basing points and delivered prices is a most difficult and perplexing problem. Much can be said both for and against their legality. A decision by the commission and eventually by the courts in the Cast Iron Soil Pipe and Cement cases will be most helpful.

In connection with the problem of basing points and freight charges, it is manifestly clear that the commission will not countenance the use of freight allowances as subterfuges to effect price discriminations. The commission has already cited a number of manufacturers for allegedly using fraudulent freight allowances as a medium to afford unlawful price favoritism to particular buyers. In the Master Lock Company case,[69] the commission thus alleged that respondent, although selling on an f.o.b. basis, was granting freight allowances on shipments to certain customers. In the Elizabeth Arden complaint,[70] among the charges made against the respondent was that it allowed transportation charges to some customers and did not make the same freight allowances to all other customers on proportionately equal terms as required by section 2 (d).

Conclusions on Application Of Robinson-Patman Act

We have examined the various opinions, complaints, and decisions of the Federal Trade Commission under the Robinson-Patman act. Many of the problems have been answered in whole or in part. Some of the important questions still remain to be clarified. The commission's position on many of these is evident. Whether or not the commission is correct in its position remains for the courts to decide, which it is to be hoped will be shortly. In the interim, we have some invaluable guideposts to assist us in complying with the act.

The commission's enforcement efforts these past two years has, for one thing, at least dispelled many of the fears that were entertained by critics of the act at the time of its passage. There were many of us who were most concerned lest the Robinson-Patman act would result in wholesale issuance of citations by the commission causing further disruption of business equilibrium. Such fears appear today to have been entirely unwarranted.

The Federal Trade Commission has demonstrated a most understanding and intelligent approach to the problem of price discrimination. We need only consider the literal avalanche of hundreds of complaints that were lodged with the commission immediately after the passage of the act by supposedly injured complainants against their competitors for alleged unlawful price discrimination and the businesslike handling and disposition of these complaints by the committee, to appreciate fully the commission's task. The commission has moved along in its enforcement efforts slowly but surely, choosing its test cases both for their value as precedents and in effort to clarify many problems presented by the act. The administration and enforcement of the act by the commission to date has been most laudatory.

There were also many of us who, at the time of the passage of the act, were most concerned lest business would be swamped with private treble-damage actions. It is most interesting to note that to date I do not believe that we have even as much as a half-a-dozen such actions, at least as far as the court records show. The act has apparently not been an invitation to such private treble-damage suits. Nor is there any reason to anticipate any wholesale siege of such actions in the future.

Effect of Act on Business

As to the effect of the Robinson-Patman act on business, it is, of course, difficult to evaluate this fully. The deterrent effect has undoubtedly been great. Business men have taken stock of their merchandising and pricing practices and have discontinued many unlawful practices which heretofore were believed legal. The great majority of business men have no wish to violate the law, and it is based on this inherent honesty that the deterrent effect of the act is most availing. Undoubtedly some of our fringe of "chiselers" are continuing their discriminatory practices notwithstanding the act. As to them, it is just a matter of time and many of them will stop voluntarily or be stopped by the commission. A very small group of inveterate "chisellers" will, inevitably, always remain. We learned this from the NRA. Certainly this is no reason against the continuation of the act and strict enforcement of it by the commission.

There are certain broader aspects of the act that are beginning to be felt more and more. It is evident that the underlying philosophy of the act is against private price "higgling" between sellers and buyers and in favor of a policy of established uniform prices and terms to all buyers in a competitive area. Competing buyers must be accorded the same price and terms, or else a prima facie case of a violation of the act will generally be found to exist against the seller. To guard himself against this, it is vitally important that the seller, for one thing, give full and complete publicity to the trade and, for that matter, to his competitors as well, of his prices and terms of sale.[71] At least, with such price publicity, the seller places himself in the position where he cannot readily be charged with "inside" pricing practices or private deals. If the act does not require it, it most certainly encourages an openly established pricing practice uniformly applied to all competing buyers.

Use of Trade Practice Rules

It is also interesting to note that many industrial groups have availed themselves of trade practice conference rules under the approval and supervision of the Federal Trade Commission as a means of effecting compliance with the act.[72] After all, the success or failure of any piece of legislation which is as broad in its scope as the Robinson-Patman act must primarily depend on the will of business itself to comply with it through voluntary self-regulation and administration. The commission, as well as business, has recognized this. We accordingly find that virtually every group of trade practice conference rules adopted by industrial groups and approved by the commission these past two years includes provisions incorporating the basic features of the Robinson-Patman act. By means of such trade practice rules and the trade practice committees established thereunder, by industry and with the co-operation and aid of the commission, a great deal can and is being done in particular industrial groups to effectuate the purposes of the act.

More industrial groups should avail themselves of this medium of self-government and administration through Federal Trade Commission trade practice conference rules. We may readily anticipate that, with the commission's continued active enforcement of the act and the voluntary co-operation of industry and business through Federal Trade Commission conference rules and otherwise, price discrimination if eventually, not entirely eliminated, will at least no longer exist as a basic evil of business and industry. Co-operation both among members of industry and business themselves and with the government is the order of the day, whether it be to stop price discrimination or to bring business back to its old self.

[66] The Cement Institute; complaint No. 3167.
[67] United Fence Manufacturers Association, et al.; complaint No. 3305, January, 1938.
[68] See supra "Defensible Price Discriminations" owing to absence of injury to competition.
[69] Master Lock Company; complaint No. 3386, April 22, 1938.
[70] Elizabeth Arden, Inc.; complaint No. 3133; also primrose House, Inc.; complaint No. 3039.
[71] The opinion of the Supreme Court of the United States in the decision in the Sugar Institute case affords industrial groups a sufficient legal medium for complete price publicity through the use of a common agency for dissemination of prices and terms of sale.
[72] Rubber Tire Industry, Wet Ground Mica Industry, Tubular Pipings Industry, Popular Priced Dress Manufacturers Industry, Carbon Dioxide Manufacturers Industry, and Rayon Producers.

—The End

Pharmacists Wanted For Regular Army

OPD Washington Bureau
July 27, 1938

The War Department announces an examination November 14 to 18, to qualify candidates for appointment as second lieutenant in the Medical Administrative Corps, Regular Army, to fill nine existing vacancies.

Appointments will be made from pharmacists, male citizens of the United States, between the ages of twenty-one and thirty-two years, who are graduates of recognized schools or colleges of pharmacy; that is, schools or colleges approved by the American Association of Colleges of Pharmacy, requiring four years of instruction for graduation and legally authorized to confer the degree of bachelor of science in pharmacy.

Examination for appointment includes physical, a written examination in practice of pharmacy, pharmaceutical chemistry, pharmacognosy, pharmacology, bacteriology, hygiene, and sanitation, and an estimate of the candidate's adaptability for military service.

Examining boards will be convened at convenient locations throughout the continental limits of the United States for the examination of candidates authorized by the War Department to appear before them. Full information and application blanks will be furnished upon request by the Adjutant-General, War Department, Washington.

Applications will not be considered after October 29.

Paint, Varnish, Lacquer Materials

Trade Encounters Lull—July Business Was Better Than June—Fall Outlook Promising—Rosin More Active—Natural Gums Fluctuate

Trade in paint, varnish and lacquer chemicals dropped off last week. Although lamblike at the close against a leonine beginning, July trade in coating raw materials registered some improvement over June and in several directions was the best month of the year so far. Notwithstanding last week's moderation of trade, buying attitude is still quite promising and there is a universal optimism for Fall trade.

The price movements in the market last week were not important enough to effect any stimulus on buying. Pigment metals continued steady and unchanged. The natural resin group contained a few changes on both the up and down side. The declines in this group outnumbered the advances but the latter were far more important to the market as a whole.

Rosin and turpentine price movements were narrow in Southern and local markets last week, the prevailing undertone being regarded as firm. Trade in rosin showed some improvement, paper makers as well as other consumers being buyers of moderate quantities to fill current needs. Some increase in the foreign inquiry for rosin was also reported. Business in turpentine was quiet.

Price Changes

Prices were changed during the past week as follows:—

Advanced

Gum, copal, Manila, DBB, WS, 5/8c. per lb.
Rosin, gum, 5c. to 32½c. per 280 lbs.
Turpentine, gum, ¼c. per gal.

Reduced

Butyl acetate, secondary, ½c. per lb.
Gum, copal, Congo, Nos. 18, 19, 5/8c. per lb.
No. 20, ¾c. per lb.

Comparative Values

Index numbers compiled from eleven typical paint and varnish materials on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
131.1	**131.1**	**129.3**	**133.4**

Market news that may have developed after this report was sent to press will be found on page 4.

Metallic Lead and Zinc

Pig lead prices were unchanged at 4.90c. to 4.95c. per pound in New York and 4.75c. per pound at East St. Louis. Trade was fairly active at the outset of the period, but moderated from midweek on. Buyers are believed to be fairly well covered for a while ahead, having purchased heavily in the early part of July. Excluding Russia and Japan, foreign lead consumption has averaged 98,751 short tons over the last three months, according to the American Bureau of Metal Statistics. This compared with average monthly consumption of 93,815 tons during 1937.

The zinc market was also steady in price. The 4.75c. per pound price at East St. Louis was considered strong in some quarters, perhaps because of sympathy with continually rising copper prices.

Lead.—Prevailing spot prices at New York, East St. Louis and London for the period from July 23 to July 29, inclusive, were as follows:—

	Pigs — Per pound — New York.	Pigs — Per pound — E. St. Louis.	Spot. London. Per ton £	s.	d.
Saturday	$0.0490@.0495	$0.0475	..	..	..
Monday	.0490@.0495	.0475	14	16	3
Tuesday	.0490@.0495	.0475	15	3	9
Wednesday	.0490@.0495	.0475	15	2	6
Thursday	.0490@.0495	.0475	14	16	3
Friday	.0490@.0495	.0475	15	0	0

Zinc.—Prevailing spot prices at New York, East St. Louis and London for the period from July 23 to July 29, inclusive, were as follows:—

	Slabs — Per pound — New York.	Slabs — Per pound — E. St. Louis.	Spot. London. Per ton £	s.	d.
Saturday	$0.0515	$0.0475	..	..	..
Monday	.0515	.0475	14	3	9
Tuesday	.0515	.0475	14	3	9
Wednesday	.0515	.0475	14	3	9
Thursday	.0515	.0475	13	18	9
Friday	.0515	.0475	14	0	0

Pigments

July trade in opaque pigments managed to hold a comfortable margin of increase over the June tonnage albeit the demands during the final week of the month were somewhat less active than in the earlier weeks. Buyers of white lead and leaded zinc oxides were well covered on prompt and forward requirements, having done so at lower prices in force earlier in July. Sales of titanium pigments were believed to have surpassed those of June and compared quite favorably with July a year ago. There were no price movements reported in the market last week.

White Lead.—Paint manufacturing buyers were drawing upon sellers for supplies only as needed. The trade is in a comfortable position having covered ahead at the lower prices that were in force prior to the middle of last month. The current contracts which were written at the lower prices extend through September. Last week, under date of July 15, a leading producer of lead-in-oil issued a dealers' selling schedule under the fair trade laws establishing the current prices as the minimum prices for resale. The dealers' selling price to painters is 10¼c. per pound for 100-pound kegs; 10½c. per pound for 50-pound kegs; 10¾c. per pound for 25-pound kegs; 11c. per pound for 12½-pound cans; 13¼c. per pound for five-pound cans, and 15¼c. per pound for one-pound cans. The list prices are 1c. per pound higher.

Red Lead.—Activity moderated after the buyers had taken in the material bought in the latter part of June when prices were rising. The battery trade seemed comfortably fixed on nearby needs. Prices continued without change through the week, reflecting the even position of the basic metal market.

Litharge.—Last week's market was quiet by comparison with a week ago when buyers took delivery of the purchases made on the rise of the market a month ago. Insecticide manufacturers were still as prominent as any of the buying trades in the market. Metal prices held firmly and the prices for this derivative were unchanged.

Lithopone.—Buyers were not taking much material against their contracts now. Business moderated during the final week of the month. However, Eastern manufacturers agreed that the July sales were slightly in excess of June takings despite the quiet of the closing few days of the period. Prices continued steady.

Titanium Pigments.—In company with other pigments, trade during the final week of July was held within narrower confines than in the fore part of the month. However, it was quite likely that the tonnage for the month would exceed that of June. Prices for titanium dioxide and the compound pigments held firmly at the schedules established in June.

Zinc Oxides. — Demands continued rather spotty last week. Some of the rubber products people showed a little more interest in replacement purchasing. The paint manufacturers' withdrawals against contracts were mild last week. Buyers of leaded oxides felt comfortably fixed for the third quarter of the year, having bought on contracts at the lower prices in force in June. Zinc oxide in Canada is reviewed in a report by the American consulate in Toronto, which states that, although zinc oxide is manufactured in Canada by at least two plants, one in Toronto and the other in Montreal, the demand is filled mostly by imports, which amounted to 12,692,000 pounds, valued

Current prices on paint, varnish and lacquer materials are given in the alphabetical list of prices beginning on page 7

RED YELLOW **IRON OXIDES** BROWN BLACK
C. J. OSBORN CO., 132 Nassau Street, NEW YORK
Established 1889

PLYMOUTH STEARATES
ALUMINUM - ZINC - CALCIUM
Established Qualities Manufactured for twenty years by
M. W. PARSONS, Imports & PLYMOUTH ORGANIC LABORATORIES, Inc.
55 ANN STREET, NEW YORK CITY

STEARATES
ZINC STEARATE
CALCIUM STEARATE
ALUMINUM STEARATE
MAGNESIUM STEARATE
Stocks at
• NEW YORK
• CHICAGO
• ST. LOUIS
• KANSAS CITY
• DES MOINES
• LOS ANGELES
• SAN FRANCISCO
• NEW ORLEANS
FRANKS CHEMICAL PRODUCTS CO.
BLDG. 9, BUSH TERMINAL — BROOKLYN, N.Y.

PEERLESS CLAY *For the* PAINT INDUSTRY
R. T. VANDERBILT CO., Inc.
230 PARK AVENUE :: NEW YORK CITY

The Chemist Says:
Glycerine + Talloil = Drying Oil
In view of rapidly advancing prices on oils, fats, etc., it will pay you to investigate INDUSOIL (refined talloil.)

INDUSOIL
Excellent as a blend with red oil for textile soaps. Can be used with red oil for other applications, including cutting oils, drawing compounds, soluble oils, pine scrubs, etc.
A blend of refined fatty acids with the following standard specifications as of May 16, 1938:

Acid Number	170-180	Rosin Acids (Calculated)	34-38%
Saponification Number	170-185	Sterols (Calculated)	6-10%
Rosin Number	60-67	Specific Gravity at 60°F.	.96 to .98
Moisture less than	.1%	Viscosity (Saybolt Univ.)—	
Ash Less Than	.1%	at 100°F	300-400 sec.
Color Not More Than	70 Yellow	at 210°F	50-70 sec.
Color Not More Than	40 Red	Flash Point	350-380°F
Using Lovibond Colorimeter Half Column		Fire Point	410-430°F
Fatty Acids (Calculated)	55-60%	Other specifications special and must be indicated on order.	

Samples, Specific Data, and Additional Information can be secured by writing

INDUSTRIAL CHEMICAL SALES
DIVISION WEST VIRGINIA PULP & PAPER COMPANY
230 Park Avenue - - - New York
CHICAGO 205 W. Wacker Drive
PHILADELPHIA 1322 Widener Bldg.
CLEVELAND 417 Schofield Bldg.

at $650,500, during the twelve months ended March, 1938. This amount included 9,914,000 pounds, valued at $510,000, from Great Britain; 1,616,000 pounds, valued at $94,800, from the United States, and 1,021,000 pounds, valued at $39,000, from Germany. The total was approximately 1,630,000 pounds less than in the preceding year, most of the loss in sales having been suffered by the United States. It is claimed that a few years ago American zinc oxide had a better reputation in Canada for uniformity than the imported British product, but more recently the British oxide has improved in this respect, and competition is now almost entirely on a basis of price alone. The preferential tariff on paint products favoring Great Britain is counterbalanced to some extent by lower shipping costs on the part of nearby American producers.

Fillers and Extenders

Mineral whites, fillers, extenders and inert pigments passed through a routine period during the week under review. While buyers were still more or less close to the market ready to cover in the event of any appreciation of prices, inquiries were not so frequent as in the earlier part of July and the purchases actually made were neither as frequent nor as voluminous as in the beginning of July.

China Clay.—According to the latest reports from producers, the market has been holding in a steady position under routine demands from the consuming trades.

Dry Colors

Buying interest among the consumers of earth and chemical colors also underwent some moderation last week. The withdrawals against contracts were light. As in the case of pigments and other materials, color sales during July were believed to have been somewhat in excess of the June totals, despite the milder interest in the market during the final week of the month. There were no changes in price reported during the week.

Carbon Black.—Conditions surrounding the market were not much changed from a week ago. The tonnage of black sold in July was perhaps somewhat in excess of the June business and was also probably the best month of the year to date. However, trade is far below normal. Prices continued at the low levels that have been in force through this year with not much prospect of a change until new contracts are written in the Fall.

Iron Oxides. — Trade dropped off somewhat last week. The fore part of the week was a very dull period. Prices for natural and synthetic materials were unchanged.

Lake Red C.—Printing ink manufacturers were fairly good buyers in the past few weeks albeit the sellers reported a slower ordering rate during the past week. Pricewise, the market was unchanged.

Ocher. — French continued with change in price. June imports of French material totaled 195,244 pounds, according to the Department of Commerce.

Toner Reds.—Para, lithol and toluidin toners were in mild request last week. The prices continued in an even and unchanged position.

Varnish Gums

Some of the Congo gums were cheaper on replacement but shipment prices for DBB and WS in the Manila group were higher. Since these two Manilas are used in much larger volume than the Nos. 18, 19 and 20 Congo gums which were lowered, the advances are more important to the market as a whole than the declines of the week.

Copals.—The reductions in the Congo gums included No. 18 which moved down 3/8c. per pound to the basis of 11 7/8c.; No. 19 which was also off 3/8c. per pound to the basis of 11 3/8c.; and No. 20, which went down 3/4c. per pound to the basis of 8c. per pound. The week's advances in Manila gum embraced DBB and WS, both of which were raised 3/8c. per pound to the basis of 8 3/8c. per pound. These prices were for straight or mixed cars and were subject to the usual differentials for smaller quantities.

Dammars. — Batavia and Singapore gums were unchanged in price last week. Cable offerings from abroad were not heavy and the prices named to importers indicated that the primary markets were steady.

Current prices on paint, varnish and lacquer materials are given in the alphabetical list of prices beginning on page 7

Synthetic Resins

The ester gum market failed to register any improvement last week. The makers of automobile finishes have not needed much additional supply of gum albeit there is a good deal of optimism regarding the possibilities for the Fall. Pricewise, the market has held a steady position.

Naval Stores

No material change in the character of business in naval stores was noticeable last week but some improvement was reported in the call for rosin. Paper makers were in the local and primary markets for moderate quantities for prompt and nearby shipment and an increase was also reported here in the call from consumers in other lines. Such transactions as were reported here were limited to comparatively small quantities for prompt shipment and sales in Southern markets apparently did not involve important lots. Late in the week an increase was reported in the volume of foreign inquiries for rosin.

Price movements during the period were generally within narrow limits and the undertone of Southern markets appeared to be steady or firm. The weather was more favorable for production and marketing, clear conditions prevailing where heavy and frequent rains were reported recently, and the movement from the interior to the seaboard was large. There was no pressure to sell, however, in primary markets. On the contrary offerings continued light, the bulk of the rosin and turpentine received being placed in storage. Although the outward movement of rosin from Savannah showed an increase, a further increase was reported in stocks at that point.

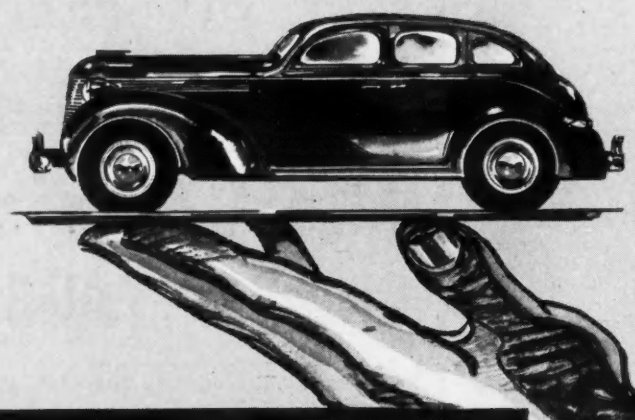
There were no further developments in connection with the movement to secure an additional loan from the government. According to consular advices from Mexico the production of turpentine and rosin in the Durango area was somewhat less in June than in the previous month. Sales consisted of 60 metric tons of rosin consigned to the Netherlands and 56,000 gallons of turpentine shipped to the United States. Stocks on hand at the end of June were estimated at 490 metric tons of rosin and 21,500 gallons of turpentine. In a report from the American commercial attache at Tokyo it is stated that a rosin shortage is imminent in Japan owing to a more rigid enforcement of the official control. The issuance of exchange permits has been severely curtailed and paper manufacturers are declared to be in serious difficulties. Importations of rosin during the last five months of 1937 were more than 9,000,000 pounds smaller than in the same time in the previous year. In an effort to overcome the anticipated shortage in rosin a large Japanese paper company has commenced the production of a rosin substitute from hydrogenated oil.

Turpentine.—Quiet conditions continued to prevail in the local market in the absence of anything stimulating in the way of market news from the South. The tone of Southern markets was steady or firm but transactions remained light. Here a fair inquiry was noted at times but takings were generally limited to small lots, the movement of such quantities for the week being unimportant in the aggregate. Primary receipts were liberal but daily offerings were light.

SAVANNAH, July 29.—A firm undertone continued to feature the turpentine situa-

Super Spectra

is the STANDARD automotive black



THE purpose of this fine pigment is —to make jet-black finishes with high gloss for motor cars. In permanence of gloss, resistance to checking, chalking and fading, such finishes have no rival. So Super Spectra continues to be the STANDARD black for high-grade automotive lacquers.

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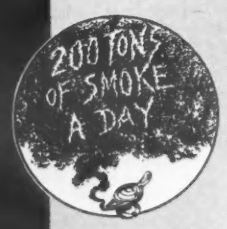

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A moderately priced kettled fish oil. Excellent for one-coat enamels, gloss whites, egg-shells and flats.

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THE BRADLEY STENCIL MACHINE

MACHINES TO CUT ½ in., ¾ in., 1¼ in., 1½ in. LETTERS

CUTS PAPER SHIPPING STENCILS

A. J. Bradley Mfg. Co.
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CAMELINE CALCITE
Calcium Carbonate
Pure White
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Used as:
Filler for Rubber, Insulation, Linoleum, Paint, Pigments, Plastics, etc.
HARRY T. CAMPBELL SONS' CO.
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"SUCO"
Ultramarine Blues
Alkali Blue Toners
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Blanc Fixe
•
STANDARD ULTRAMARINE COMPANY
HUNTINGTON, W. VA.

Shawnee
DRY COLORS
"Color Content Guaranteed"
Chrome Greens
Chrome Yellows
Toluidine Reds
Para Reds Iron Blues
Lake Colors
Ultramarine Blue
KENTUCKY COLOR & CHEMICAL CO.
Incorporated
General Office and Works
LOUISVILLE, KENTUCKY
Offices and Agents in Principal Cities
Distillers of Coal Tar Products

tion. Following is a record of the market for the week:—

	Cents per gal.	Barrels Sales.	Re-ceipts.	Ship-ments.	Stocks.
*Saturday	...	...	...	...	...
Monday	23¼	17	615	131	42,019
Tuesday	23½	29	629	100	42,548
Wednesday	23¼	...	693	30	43,211
Thursday	23½	66	411	100	43,522
Friday	23½	8	334	...	43,856

* Market closed.

JACKSONVILLE, July 29.—Turpentine receipts were liberal but offerings remained light. Following is a record of the market for the week:—

	Cents per gal.	Barrels Sales.	Re-ceipts.	Ship-ments.	Stocks.
*Saturday	..	...	...	...	.....
Monday	23½	20	498	1	28,221
Tuesday	23	...	260	110	28,371
Wednesday	23	14	300	202	28,469
Thursday	23	32	292	...	28,761
Friday	23¼	10	266	2	29,025

* Market closed.

PENSACOLA, July 23.—Turpentine was quiet and steady. Following is a record of the market for the week:—

	Barrels Re-ceipts.	Ship-ments.	Stocks.
Monday	228	150	29,011
Tuesday	318	203	29,126
Wednesday	139	...	29,265
Thursday	145	...	29,410
Friday	46	122	29,334
Saturday	243	...	29,577

CHICAGO, July 29—Trade remains quiet and slow in turpentine, in both wholesale and retail divisions. Ruling prices at the close of business last night were:—Five-drum lots, 30c. per gallon; five wood barrels, 35c.; single drums, 33c.; single barrels, 38c.

LONDON, July 29.—Quotations on turpentine were as follows:—

	Per cwt. in bbls. s.	d.
Saturday	32	0
Monday	32	0
Tuesday	32	0
Wednesday	32	0
Thursday	32	0
Friday	32	0

Stocks of American turpentine in London were:—

	July 29.	Previous week.	Last year.
Barrels	27,828	28,975	13,007

Rosin.—A generally firm tone in Southern markets was reflected here, price movements being narrow. There was a fair inquiry from paper makers and other consumers, their purchases for the week showing some increase over recent preceding periods. An increase was also reported in the volume of inquiries received from foreign buyers. Receipts continued large and there was a further increase in primary stocks.

SAVANNAH, July 29.—Changes in rosin quotations were moderate. Following is a record of the market for the week:—

	Price per unit—Low of range quoted *Sat.	Mon.	Tues.	Wed.	Thurs.	Fri.
B	...	$3.50	$3.50	$3.50	$3.50	$3.50
D	...	3.85	3.85	3.85	3.85	3.85
E	...	4.15	4.15	4.25	4.25	4.25
F	...	4.40	4.40	4.50	4.60	4.75
G	...	4.42½	4.45	4.50	4.60	4.75
H	...	4.42½	4.45	4.50	4.60	4.75
I	...	4.42½	4.45	4.50	4.60	4.75
K	...	4.42½	4.45	4.50	4.60	4.75
M	...	4.45	4.50	4.52½	4.65	4.80
N	...	5.25	5.25	5.30	5.35	5.50
WG	...	5.75	5.75	5.75	5.80	5.80
WW	...	6.30	6.30	6.30	6.30	6.30
X	...	6.40	6.40	6.40	6.40	6.40
		Barrels				
Sales	...	548	197	209	231	208
Receipts	...	3,243	3,514	2,329	2,701	1,904
Shipments	...	1,791	1,576	965	491	...
Stocks	...	187,868	189,806	191,230	193,440	195,344

* Market closed.

JACKSONVILLE, July 29.—The rosin market had a firm undertone. Following is a record of the market for the week:—

	Price per unit—Low of range quoted *Sat.	Mon.	Tues.	Wed.	Thurs.	Fri.
B	...	$3.40	$3.40	$3.40	$3.40	$3.40
D	...	3.85	3.85	3.85	3.85	3.85
E	...	4.15	4.15	4.15	4.15	4.15
F	...	4.40	4.40	4.45	4.50	4.50
G	...	4.42½	4.45	4.45	4.55	4.55
H	...	4.42½	4.45	4.50	4.55	4.75
I	...	4.42½	4.45	4.50	4.55	4.75
K	...	4.42½	4.45	4.50	4.55	4.75
M	...	4.45	4.50	4.50	4.55	4.75
N	...	5.25	5.25	5.25	5.25	5.25
WG	...	5.75	5.75	5.75	5.80	5.85
WW	...	6.30	6.30	6.32½	6.40	6.40
X	...	6.30	6.30	6.32½	6.40	6.40
		Barrels				
Sales	...	71	259	79	47	35
Receipts	...	2,221	1,443	1,595	1,322	1,885
Shipments	...	...	1,125	737	830	...
Stocks	...	155,860	156,178	157,036	157,528	159,413

* Market closed.

PENSACOLA, July 23.—Rosin receipts continued large. Following is a record of the market for the week:—

	Barrels Mon.	Tues.	Wed.	Thurs.	Fri.	Sat.
Receipts	691	827	460	477	141	808
Shipments	...	75	...	...	550	400
Stocks	39,377	40,129	40,589	41,066	40,657	41,065

CHICAGO, July 29 — There is a fairly steady flow of rosin business, but the volume is limited. Ruling prices at the close of business last night were:—B grade, $6.50 per lot of 280 pounds; G grade, $7.45; M grade, $7.50; W.W. grade, $9.30.

LONDON, July 29.—Quotations on American rosin were as follows:—

	Per cwt. in barrels— Common. s.	d.	W.W. s.	d.
Saturday	13	7½	18	0
Monday	13	7½	18	0
Tuesday	13	7½	18	0
Wednesday	13	7½	18	0
Thursday	13	7½	18	0
Friday	13	7½	18	0

ORGANIC AND INORGANIC
PIGMENT
COLORS
IMPERIAL
PAPER AND COLOR CORPORATION
PIGMENT COLOR DIVISION
GLENS FALLS, NEW YORK
Branch Offices and Warehouse Stocks:
PHILADELPHIA—BALTIMORE—CINCINNATI—ST. LOUIS
NEW YORK — DETROIT — DALLAS — SAN FRANCISCO
PITTSBURGH — CHICAGO — LOUISVILLE — TORONTO
BOSTON — LOS ANGELES — SEATTLE — CLEVELAND
THE LARGEST MANUFACTURERS OF CHEMICAL PIGMENT COLORS IN AMERICA

Pine Oil.—There were reports of a fair movement into local and other consuming channels, though buyers were not inclined to purchase ahead to any extent. The market retained a steady tone.

Pitch.—Quotations for spot material were generally maintained by sellers at the levels prevailing in the previous week, the tone of the market being steady. Business was reported as quieter.

Rosin Oil. — Local and other consumers showed little disposition to purchase ahead, but in a jobbing way there was a fair demand. The market retained a steady tone in the absence of wide changes in basic material in primary centers.

Tar.—The requirements of consumers in some cases are said to have increased recently, but new business was reported as rather quiet last week. The market was steady.

Shellac

Business in the shellac market continued along the somewhat quiet lines laid down for the past several weeks. Deliveries against contracts left something to be desired, but a fair amount of new orders was also reported. Prices in the local market were steady to firm, reflecting the absence of genuine unsettlement in either of the foreign markets. Trade going to the Far East was comparatively light last week, buyers here not finding the slight decline in price sufficiently attractive to bring them generally into the primary market.

Calcutta, June 29.—Shellac quotations on the landed New York basis, ex dock, net cash, were as follows:—

	Per pound— July 29.	July 22.
July	11c.	11⅛c.

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CAMBRIDGE MASS.

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IN INDUSTRIAL DIPPING ENAMELS
The vastly improved flowing and leveling of Miscible Diamond K accounts for its popularity with manufacturers of dipping enamels. Their customers report less trouble with beading; with accumulation of enamel on the edges of dipped products. Its flowing qualities speed up operations and cut costs. Its economy is also appreciated as it has been successfully used to replace expensive polymerized oils.
A folder giving complete information about Miscible Diamond K and its application will be sent on request.
SPENCER KELLOGG AND SONS, INC.
BUFFALO, N. Y.

Day-to-day prices were as follows:—

	Per pound.
July 22	11⅛c.
July 23	No cables
July 25	11⅛c.
July 26	11⅛c.
July 27	11⅛c.
July 28	11c.
July 29	11c.

London, July 29.—Prices quoted on London standard T. N. shellac, basis of sterling exchange at $4.88, were as follows:—

	July 29		July 22	
	Shillings. Cwt.	Cents. lb.	Shillings. Cwt.	Cents. lb.
August	39¼	8.5	40½	8.8
October	40¼	8.7	41½	8.9

Day-to-day closing prices were as follows:—

	Per hundredweight— August.	October.
July 22	40s 6d	41s 6d
July 23	No cables	
July 25	40s 6d	41s 6d
July 26	40s ..	41s ..
July 27	39s 9d	40s 9d
July 28	39s 3d	40s 3d

Lacquer Materials

Business in the market for lacquer materials and solvents was slow again last week. Major consumers were not inclined to extend their commitments beyond nearby requirements. Price changes were confined to a fractional reduction for secondary butyl acetate. Although nitrocellulose lacquers are manufactured in the Netherlands to a certain extent, there are considerable imports of lacquers. In September, 1936, the devaluation of the guilder placed the manufacturers in a more favorable competitive position. Although the total amount of cellulose lacquer imported into the Netherlands was about 14.5 percent smaller in 1937 than in the preceding year, imports of American lacquers, which supply quality demand, decreased to 74 metric tons. Before the revaluation of the dollar, German cellulose lacquers dominated the market but from 1933 to 1936, they have been losing ground principally to American lacquers.

Acetone.—Business in the market was held to moderate proportions in most instances last week. Consumers were ordering for nearby requirements only. Quotations were without change.

Butyl Acetate.—Prices for secondary butyl acetate were reduced ½c. per pound to 7½c. per pound in car lots; less car lots, 8c. per pound and tanks, 6½c. per pound. This follows the recent reduction made in the normal material. Business was along quiet lines last week.

Cellulose Acetate.—Quiet conditions continued to prevail in this direction. Sellers were adhering to quotations in force previously.

Dibutyl Phthalate.—There was little improvement in the demand last week. Large consumers were limiting commitments to take care of nearby requirements only. Prices ruled unchanged.

Ethyleneglycol.—A steady to firm tone governed the dealings. Interest in the market was confined to moderate quantities in most instances.

Methyl Acetate.—Major consumers were not inclined to make commitments beyond nearby requirements, and the market moved through another routine period. Quotations were unaltered.

Driers

There was a good deal of spottiness on the buying side of the market but as reported previously there has been a fair measure of improvement in the buying of stearates and other metallic soaps during July. Prices continued in a steady and unchanged position.

Glues and Binders

Casein.—The market has not changed its position in several weeks. Firmness is still evident in selling quarters. The car lot prices for domestic material continued at 8c. per pound for the 20-30 mesh and 8½c. per pound for the 80-100 mesh product, both basis delivered.

Glues.—Up to the moment of this writing, prices were unchanged. Sellers reported quite a few inquiries in the latter half of the week, a condition prompted by the expectations of an advance in prices on August 1.

Batavian Petroleum Company will obtain an oil concession in central east Java to 27,800 hectares.

N.E. Paint Up Jobs Gained 38% in 1938

The 1938 New England Paint and Clean Up Campaign committee has reported 275 assembly talks in the Boston public schools alone, and 612,820 clean up, paint up jobs, compared with 444,257 in 1937. Numerous other cities and towns of New England also ran campaigns on the same plan. Of this year's 594,334 jobs, 121,151 were painting and decorating, 188,946 were cleaning, 109,128 were painting and 193,595 miscellaneous.

The Chamber of Commerce of Pittsburgh has issued a brochure "Geared to the Job—Helping Pittsburgh to Help You," which presents a ten-point program. One of the points "For a Cleaner and Better Housed Pittsburgh," embraces as its first item a Clean Up and Paint Up Campaign.

DuPont Co. Demonstrates Chrome Lacquer to Trade Press

A demonstration of duPont chrome lacquer, a new clear lacquer based on a methacrylate composition developed by E. I. duPont de Nemours & Co., Wilmington, Del., was given at a luncheon to the trade press, July 19, at the Empire State Club, this city. The new lacquer which is similar in physical construction to Lucite, duPont's methyl methacrylate plastic, is recommended for use on chrome-plate, brass, bronze, and other metals for protection against corrosion, tarnish and rust. Chromium parts of automobiles and metal fittings on water craft are among typical applications for the finish, others of which include building hardware, bronze bank fixtures, nameplates, railings, bicycles, mail boxes, store fixtures, etc.

The material is chemically inert, resistant to oil and sunlight, has a fifteen-minute drying speed, and may be brushed or sprayed. According to exposure tests at duPont's Florida proving grounds, the company claims that the methacrylate lacquer demonstrated superiority both in protective qualities and durability over other types of lacquer tested.

The company is offering the material in bulk for industrial use. It is also packaged in small containers for distribution through automobile supply houses and retail channels in a kit package combined with a brush and a chrome cleaner for use in refinishing chromium parts automobiles.

Shawinigan Resins Corp. Plant Is Completed

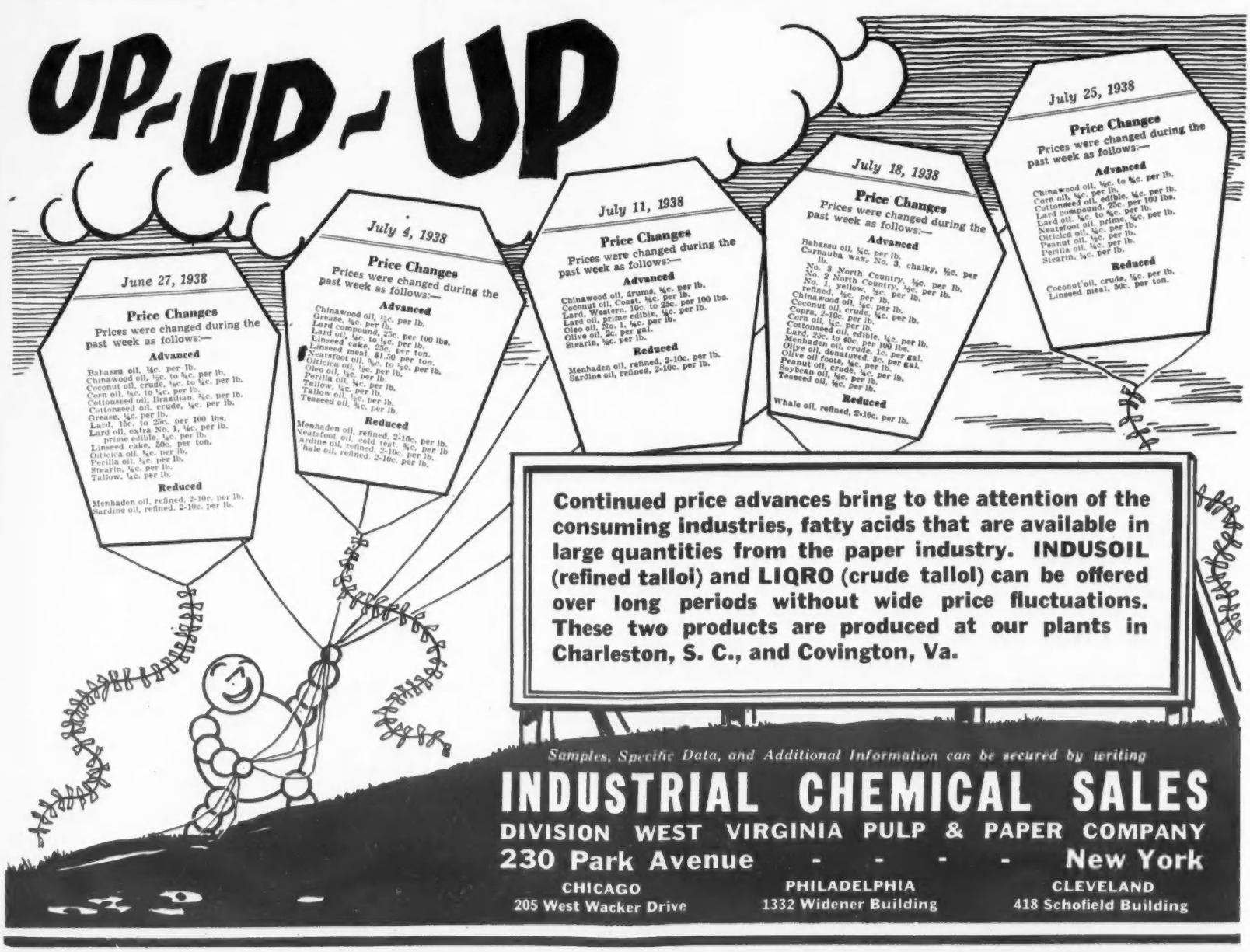
Indian Orchard, Mass., July 21, 1938

The new vinyl acetate resin plant of the Shawinigan Resins Corporation, jointly owned by the Monsanto Chemical Company, St. Louis, and Shawinigan Chemicals, Ltd., Montreal, has been completed. A production schedule will be inaugurated immediately.

The new plant which will produce vinyl acetate sheets for use by the glass and motorcar manufacturers in a type of safety glass for automobiles, railroad cars, etc., is the first of its kind in the United States, and has been under construction since the middle of last year. It is located on the bank of the Chicopee river in Indian Orchard, a suburb of Springfield, and is adjacent to the plastics division plant of the Monsanto company. The new Monsanto vinyl acetate binder for glass is claimed to improve the glass to such an extent that safety is greatly increased.

While the glass industry will be the chief user of the new product, many other uses are in the process of development in Monsanto research laboratories in Indian Orchard and Dayton, Ohio, and at the research laboratories of Shawinigan Chemicals at Shawinigan Falls, Quebec.

Charles J. Caspar, central manager for the Pittsburgh Plate Glass Company, Pittsburgh, and a former president of the National Paint, Varnish and Lacquer Association, with his family and a party of thirty-two, is enjoying a vacation at Duquesne Hunting & Fishing Club, Byng Inlet, Ontario, Canada. Charlie says the fishing was never better—and he ought to know for he has fished there for many years.


UP-UP-UP
June 27, 1938
Price Changes
Prices were changed during the past week as follows:—
Advanced
Bahassu oil, ¼c. per lb.
Chinawood oil, ½c. to ¾c. per lb.
Coconut oil, crude, ¼c. to ¾c. per lb.
Corn oil, ½c. to ¾c. per lb.
Cottonseed oil, Brazilian, ¾c. per lb.
Cottonseed oil, crude, ¾c. per lb.
Grease, ¼c. per lb.
Lard, 25c. to 25c. per 100 lbs.
Lard oil, extra No. 1, ¼c. per lb.
prime edible, ¼c. per lb.
Linseed cake, 50c. per ton.
Oiticica oil, ¼c. per lb.
Perilla oil, ¼c. per lb.
Stearin, ¼c. per lb.
Tallow, ¼c. per lb.
Reduced
Menhaden oil, refined, 2-10c. per lb.
Sardine oil, refined, 2-10c. per lb.
July 4, 1938
Price Changes
Prices were changed during the past week as follows:—
Advanced
Chinawood oil, ½c. per lb.
Grease, ¼c. per lb.
Lard compound, 25c. per 100 lbs.
Lard oil, ¼c. to ½c. per lb.
Linseed cake, 25c. per ton.
Linseed meal, $1.50 per ton.
Neatsfoot oil, ¾c. to ¼c. per lb.
Oiticica oil, ¼c. to ½c. per lb.
Oleo oil, ¼c. per lb.
Perilla oil, ¼c. per lb.
Tallow, ¼c. per lb.
Tallow oil, ¼c. per lb.
Teaseed oil, ¾c. per lb.
Reduced
Menhaden oil, refined, 2-10c. per lb.
Neatsfoot oil, cold test, ¾c. per lb
Sardine oil, refined, 2-10c. per lb.
Whale oil, refined, 2-10c. per lb.
July 11, 1938
Price Changes
Prices were changed during the past week as follows:—
Advanced
Chinawood oil, drums, ¼c. per lb.
Coconut oil, Coast, ¼c. per lb.
Lard, Western, 10c. to 25c. per 100 lbs.
Lard oil, prime edible, ¼c. per lb.
Oleo oil, No. 1, ¼c. per lb.
Olive oil, 2c. per gal.
Stearin, ½c. per lb.
Reduced
Menhaden oil, refined, 2-10c. per lb.
Sardine oil, refined, 2-10c. per lb.
July 18, 1938
Price Changes
Prices were changed during the past week as follows:—
Advanced
Bahassu oil, ¼c. per lb.
Carnauba wax, No. 3, chalky, ½c. per lb.
No. 3 North Country, ¼c. per lb.
No. 2 North Country, ¼c. per lb.
No. 1, yellow, ¼c. per lb.
refined, ¾c. per lb.
Chinawood oil, ¼c. per lb.
Coconut oil, ¼c. per lb.
Copra, 2-10c. per lb.
Corn oil, ¼c. per lb.
Cottonseed oil, edible, ¼c. per lb.
Lard, 25c. to 40c. per 100 lbs.
Menhaden oil, crude, ¼c. per lb.
Olive oil, crude, 1c. per gal.
Olive oil, denatured, 3c. per gal.
Olive oil foots, ¼c. per lb.
Peanut oil, crude, ¼c. per lb.
Soybean oil, ¼c. per lb.
Teaseed oil, ½c. per lb.
Reduced
Whale oil, refined, 2-10c. per lb.
July 25, 1938
Price Changes
Prices were changed during the past week as follows:—
Advanced
Chinawood oil, ¼c. to ¾c. per lb.
Corn oil, ¼c. per lb.
Cottonseed oil, edible, ¼c. per lb.
Cottonseed oil, 25c. per 100 lbs.
Lard compound, 25c. per lb.
Lard oil, ¼c. to ¾c. per lb.
Neatsfoot oil, prime, ¼c. per lb.
Oiticica oil, ¼c. per lb.
Peanut oil, ¼c. per lb.
Perilla oil, ¼c. per lb.
Stearin, ¼c. per lb.
Reduced
Coconut oil, crude, ¼c. per lb.
Linseed meal, 50c. per ton.
Continued price advances bring to the attention of the consuming industries, fatty acids that are available in large quantities from the paper industry. INDUSOIL (refined talloi) and LIQRO (crude tallol) can be offered over long periods without wide price fluctuations. These two products are produced at our plants in Charleston, S. C., and Covington, Va.
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1332 Widener Building
CLEVELAND
418 Schofield Building

Oils, Fats, and Waxes

Chinawood Oil Continues to Rise—Perilla and Oiticica Also Up —Cottonseed Oil Futures Irregular—Southern Markets Firm —Crude and Refined Fish Oils Higher—Trade Better

Quotations on miscellaneous vegetable, animal and fish oils, fats and greases had an upward trend last week, sales of various products being reported at higher prices. In some instances advances in price were rather sharp but offerings continued light throughout the week and late in the period the prevailing tone was firm. Business showed improvement. As a rule, consumers were not disposed to purchase ahead to any important extent, but orders for moderate quantities were more numerous and the movement of such lots for the week showed an increase over the previous period. Cottonseed oil futures were irregular at times in company with outside markets, but a firm tone prevailed in Southern centers for cottonseed products.

Chinawood oil was a strong feature, the trend of prices being upward abroad and here. Oiticica and perilla oils were higher in company with chinawood. Edible cottonseed oil was advanced by domestic refiners. Crude cottonseed oil was firm in Southern markets, although few transactions were reported, holders being disinclined to offer at prevailing prices. Refined fish oils were firmer, quotations being advanced slightly by some sellers owing to the firmness of crude in primary centers where offerings continued light. Lard, neatsfoot and oleo oils were maintained at previous prices by producers. The trend of lard futures was downward in the West at times and domestic business in cash lard here was quieter. Stearin was stronger, sales being reported at a further advance. Tallow offerings were light and the market was firmer.

Price Changes

Prices were changed during the past week as follows:—

Advanced

Chinawood oil, 1½c. per lb.
Corn oil, ¾c. per lb.
Cottonseed oil, crude, ¼c. per lb.
Cottonseed oil, edible, ⅛c. per lb.
Grease, ¼c. per lb.
Lard compound, 25c. per 100 lbs.
Menhaden oil, crude, 2c. per gal.
Menhaden oil, refined, 2-10c. per lb.
Oiticica oil, ¾c. per lb.
Peanut oil, ¼c. per lb.
Perilla oil, ¼c. per lb.
Sardine oil, refined, 2-10c. per lb.
Stearin, ½c. per lb.
Tallow, ¼c. per lb.
Teaseed oil, ⅛c. per lb.

Reduced

None

Comparative Values

Index numbers compiled from twenty-three typical oils, fats and greases on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
110.4	**108.2**	**105.4**	**135.8**

Market news that may have developed after this report was sent to press will be found on page 4.

Vegetable Oils

Chinawood.—A firm tone continued to prevail in domestic markets last week, the trend of prices again being upward here and on the Pacific Coast. A further advance occurred in the primary market and much of the time there was a complete absence of offerings from that point. According to some reports nothing has moved recently from Hankow to Hongkong by rail as only military and miscellaneous government supplies are being transported. Stocks in the hands of resellers here appeared to have been materially reduced and importers were reserved in their attitude owing to the uncertainty concerning future supplies in China. Business was reported to have been closed around 13¾c. per pound for spot oil in tankcars and according to some transactions for the week would have been larger than they were but for the reserved attitude of sellers.

Coconut. — No quotable change occurred in local prices for crude oil but the tone appeared to be somewhat easier. There were reports of offerings of copra on the Coast at small concessions and business here in oil remained slow, consumers apparently being disposed to hold off for further developments in the situation abroad. Conflicting reports were heard concerning the situation on the Pacific Coast, where some business was reported to have been closed at as low as 3c. though most sellers continued to quote 3⅛c.

SAN FRANCISCO, July 26—Crude coconut oil is quoted on the basis of 3 1-16c. to 3⅛c. per pound in tankcars, f.o.b. Pacific Coast ports and/or mills for delivery in nearby and forward positions. Copra is a shade softer and offerings were a trifle freer last week in this market, but business was for the most part dull and was confined to occasional small transactions. The situation was spotty all the way through, and buyers were showing no inclination to do very much, reflecting the slow turn of events in the coconut oil market. Quoted at 1.90c. per pound, c.i.f. Pacific Coast ports.

Corn.—Crude oil was firmer. The inquiry was more active but few transactions were reported as offerings remained light. Quotations were about ¾c. per pound higher with the figures more or less nominal.

Cottonseed.—Edible oil was firmer, selling schedules being advanced ⅛c. per pound by domestic refiners. There was a fair demand.

Oiticica.—The rise in chinawood oil was reflected in the market for oiticica oil, quotations being about ¾c. per pound higher. Offerings were limited and business was quiet though inquiries were not lacking.

Olive.—A steady tone prevailed, quotations generally being held at previous levels. There were reports of a better inquiry from consumers in the textile industry but transactions were apparently limited to unimportant quantities.

Peanut.—A firm tone prevailed in all parts of the South, quotations generally being ⅛c. to ¼c. higher with the figures more or less nominal in the absence of any increase in offerings.

There was no trading in shelled peanut futures on the New York Produce Exchange from July 23 to July 29, inclusive. Following is a price record of the week:—

	Cents per pound— High.	Low.	Close.
October	...	...	5.45@6.00
December	...	...	5.60@5.95

Perilla.—A firmer tone developed. The inquiry was more active. Sales were reported at 10c. per pound in tankcars on spot and higher prices were named in some quarters. San Francisco advices reported offerings at 10c., prompt or deferred shipment.

Teaseed. — Demand was more active and the market was firmer, spot quotations being advanced ⅛c. to ¼c.

SAN FRANCISCO, July 26.—High acid content teaseed oil is quoted at 6¾c. per pound in tankcars, f.o.b. Pacific Coast, with standard acid content material reported to have been sold out for the season.

Markets at Other Centers

Chicago, July 29.—Vegetable oils have shown some irregularity lately, but the tendency has been mainly in the direction of higher prices and a firmer tone.

COCONUT.—Coast basis, tanks, July-forward, 3⅛c. to 3¼c. per pound. Refined, edible oil, 9¼c. to 9½c. per pound, barrels, car lots; and 9½c. to 10c., barrels, less than car lots.

CORN.—Crude, low acid, 8c. to 8¼c. per pound, partly nominal. Refined, edible oil, 9¾c. to 10¼c. per pound, barrels, car lots; and 10¼c. to 10½c., barrels, less than car lots.

CHINAWOOD.—Ruling nominal, 14.6c. to 14.7c. per pound, prompt, and 13.4c. to 13.5c., deferred.

PEANUT.—Crude, 7¾c. to 8c. per pound.

SOYBEAN.—Crude, mills, 6c. to 6⅛c. per pound.

The market for soybeans on the Chicago Board of Trade was irregular. Trading was somewhat more active though few operators were inclined to add materially to their commitments on either side of the market. Offerings were generally light. There was some improvement in the call for cash seed, this being attributed to an

Current prices on animal, vegetable, and fish oils (under Oil), fats, and greases (under Grease) are given in the alphabetical list of prices beginning on page 7

• OILS •
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PERILLA OIL
SARDINE OIL
SPOT FUTURE
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29 Broadway New York, N.Y.

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Saponified
RED OIL
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Now available in either cake or flake form
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RUBY OLEINE BRAND *{distilled}*
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CANARY BRAND
{very pale yellow, especially suitable for best types of dry cleaners' soaps.}
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FATTY ACIDS
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OLIVINE (olive oil replacement)
COTTONSEED OIL FATTY ACIDS
COCOANUT OIL FATTY ACIDS
ISOLINE FATTY ACIDS
ISOLINE DRYING OIL
LINSEED OIL FATTY ACIDS
PALM OIL FATTY ACIDS
SOYBEAN OIL FATTY ACIDS
CASTOR OIL FATTY ACIDS
"The Most Suitable Acid for Any Purpose"
WOBURN DEGREASING COMPANY OF N. J.
Chemical Division
HARRISON, NEW JERSEY

increased movement of oil. Following is a price record, per bushel, for the week:—

	High.	Low.	Closing July 29.	Closing July 22.
Cash, No. 3...	$0.93	$0.91	....	....
October	.84½	.82¾	$0.83½	$0.84½
December ...	.84½	.82⅝	.83⅝	.84½

London, July 19.—Soybean oil, crude, 24s. per cwt.; rapeseed, crude, 31s. 3d.; palm kernel, refined, English, 24s. 9d.; peanut, Bombay, 22s.; sardine, Japanese, 15s.; whale, crude, Rotterdam, 13s. 9d.

Linseed Oil

Changes in flaxseed quotations in domestic and foreign markets were moderate. Linseed oil, cake and meal steady.

Flaxseed—DULUTH, July 29.—Prospects for flax yield are improving and the reports received from the country regarding grasshoppers are encouraging. Observers say that in most places in Southern and Central Minnesota at least, only the edges of fields appear to be harmed; and weather conditions are perfect for the final stages of development, with the harvest close at hand. The Dakotas are apparently not so fortunate in the matter of grasshoppers. Line elevators are reporting Minnesota yield estimates of from 10 to 11 bushels to the acre, 5 to 8 in North Dakota, 5 to 7 in South Dakota, and 5 to 10 in Montana.

The week's closing price range was as fotllows:—

	Cash.	Sept.	Oct.
Saturday	$1.77½	$1.77½	$1.77½
Monday	1.76	1.76	1.76
Tuesday	1.73	1.73	1.74½
Wednesday	1.74	1.74	1.75
Thursday	1.74	1.74	1.75
Friday	1.74	1.74	1.75

Crop movement in bushels follows:—

	Receipts 1938.	Receipts 1937.	Shipments 1938.	Shipments 1937.
This week..	2,019	953	....	2,777
Since Aug. 1...	947,143	981,661	1,214,731	2,107,159

MINNEAPOLIS, July 29.—Local cash flax tone is very good and there is a snappy demand for the small daily offers. Buyers are bidding up for "dockage" if they want a car bad enough and consequently good flax with a little more than ordinary dockage content brings strong prices. A cash house buyer picked up a few cars for movement to the head of the lakes for an accumulation. Very little flax is being sold by farmers and interior elevator stocks are very light. Two crushers will close down their plants for lack of good crushing reserves and will not open again until they have been able to accumulate a moderate reserve of new seed at least. Crop conditions remain very favorable on the whole and liberal per acre yields are expected in Minnesota territory.

Flax delivered on May contracts is still in storage here and most of it is of too poor quality to crush at a profit. Total stocks are now below the half million mark. A moderate supply of good seed is owned by one crushing company. Shipments during the week were small, about equaling receipts.

Trade in futures picked up sharply today with commission houses executing hedging sales quite freely and crushers buying on a scale down. This hedging pressure indicated contracting for new crop supplies in the country. New seed is expected on the market some time next week. Considerable has been bought to arrive in small lots mostly, few being over 500 bushels.

The week's closing price range was as follows:—

	Cash.	Sept.	Oct.
Saturday	$1.82	$1.78	$1.80
Monday	1.81	1.78	1.78
Tuesday	1.78	1.74	1.75½
Wednesday	1.78	1.74	1.75½
Thursday	1.78	1.74	1.75
Friday	1.78	1.74	1.75

Crop movement in bushels as follows:—

	Receipts 1938.	Receipts 1937.	Shipments 1938.	Shipments 1937.
This week..	7,100	20,000	11,760	15,480
Since Sept. 1...3,930,060		4,626,550	867,990	499,920

WINNIPEG, July 29.—The flaxseed market remained quiet. Price movements were in company with grain. The week's closing price range was as follows:—

	Cash.	July.	Oct.
Saturday	$1.45½	$1.45½	$1.46¾
Monday	1.44½	1.44½	1.45⅛
Tuesday	1.44¼	1.44¼	1.45
Wednesday	1.43¼	1.43½	1.44⅝
Thursday	1.43½	1.43½	1.44⅝
Friday	1.43	1.43	1.44½

BUENOS AIRES, July 29.—Opening prices per bushel on August contracts were:—

	Last week.	Last year.
Saturday	$1.21⅝	$1.35⅝
Monday	1.21⅝	1.35⅝
Tuesday	1.19⅝	1.34⅜
Wednesday	1.18⅞	1.34½
Thursday	1.17¾	1.33⅜
Friday	1.17⅝	1.33⅜

Exports

To—	Last week.	Previous week.	Last year.
United States.....	244,000	154,000	520,000
United Kingdom..	.....	.....	.....
Continent	276,000	244,000	114,000
Orders	31,000	299,000	413,000
Others	31,000	.....	.....
Totals	582,000	697,000	1,047,000

Since January 1

To—	This year.	Last year.
United States.....	7,180,000	520,000
United Kingdom.....	1,086,000	.....
Continent	15,271,000	114,000
Orders	6,389,000	413,000
Others	1,391,000	.....
Totals	31,317,000	1,047,000

Visible Supply

	Bushels.
Last week.....	5,512,000
Previous week.....	5,906,000
Last year.....	6,693,000

INDIA.—Exports of flaxseed from India last week were as follows:—

To—	Last week.	Previous week.	Last year.
United Kingdom..	124,000	4,000	60,000
Continent	4,000	.....	4,000
Others	12,000	.....	.....
Totals	140,000	4,000	64,000

Since April 1—	This year.	Last year.
United Kingdom.....	4,300,000	2,896,000
Continent	228,000	124,000
Others	72,000	128,000
Totals	4,600,000	3,148,000

HULL, July 19.—Quotations on flaxseed were:—

	La Plata.	Bombay.
Saturday	£11¾	£13½
Monday	11¾	13
Tuesday	11¾	12⅞
Wednesday	11⅝	12⅞
Thursday	11½	12⅞
Friday	11½	12⅞

Linseed Oil.—The market here was a small affair as far as new business was concerned, activity being confined mainly to the forwarding of supplies on contracts previously placed. With weather conditions more favorable for construction and painting, withdrawals showed some increase over the previous week. Selling schedules were generally held by crushers at former levels, but the tone of the market was somewhat easier and it was intimated that quoted prices could be shaded by a point or two on a bid.

Variations in flaxseed quotations in domestic and foreign markets were generally moderate. Demand for cash seed in Northwestern markets was more active and cash premiums over futures showed a widening tendency. Receipts continued light. There was little change in the character of crop news, most reports being favorable, although complaints of damage from grasshoppers continued to be heard. Actual damage from this pest, however, appeared to be comparatively small. There was a tendency in some quarters in the Northwest to increase estimates of the yield per acre.

Receipts of flaxseed at New York last week were 142,024 bushels.

MINNEAPOLIS, July 29. — Although there was fairly steady interest in linseed oil during the week actual sales were smaller in volume and buyers were less aggressive. Sales for scattered shipment through the late summer and fall developed but round lots were smaller. Some of the large buyers booked part of their requirements but because of persistent bearish Washington bulletins regarding grain production are hopeful of lower prices for flax and a better buying level. Weakness of Argentine grain prices also was a factor. Current capacity is about 20 to 25 percent but beginning with next week operations are expected to drop to 5 percent. Stocks on hand are dwindling more rapidly owing to small operations.

Quotations on carload lots f.o.b. Minneapolis, tankcars 8.2c. per pound, cooperage 8.8c. per pound and warehouse lots 9.2c. per pound.

Shipments of oil in pounds were as follows:—

	1938.	1937.
This week.....	1,981,012	1,306,005
Since Sept. 1.....	60,635,781	70,808,441

SAN FRANCISCO, July 26.—Linseed oil prices remained unchanged, and inquiry was generally light. Tankcars, 8.3c. per pound; drum car lots ex mill, 8.9c.; drum lots ex warehouse, 9.3c.

CHICAGO, July 29.—The linseed oil market is quiet and just about marking time. The shipping instructions have been coming in rather well for some little time, and sufficient volume of business is reported involved in this activity to keep the general market tone healthy. Ruling prices:—Tankcar, 8.2c. per pound; car lots, 8.8c.; less than car lots, 9.2c.

LONDON, July 29.—Quotations on linseed oil were:—

	Per cwt. s.	d.
Saturday	23	7½
Monday	23	7½
Tuesday	23	6
Wednesday	23	3
Thursday	23	3
Friday	23	3

Cake and Meal.—A steady tone prevailed, quotations being maintained at previous levels. Domestic trade in meal was quiet. The export inquiry for cake was fairly active.

MINNEAPOLIS, July 29.—The meal market is very narrow owing to lack of reserves and small current output. Demand is ready for anything the crushers have to offer but on the other hand crushers do not care to make fresh sales because of a desire to clean up existing contracts before they close down. The season clean-up will probably be the most complete on record. Bids on new crop meal moved up closer to the holding views of crushers and a few sales were made. Quotations on carload lots f.o.b .Minneapolis, 100 pounds sacks, $42 to $42.50 per ton.

Shipments of meal in pounds were as follows:—

	1938.	1937.
This week.....	1,394,667	3,310,798
Since Sept. 1.....	119,422,227	107,860,591

CHICAGO, July 29.—Interest in old crop linseed meal continues quite good, and values are holding up quite well. Ruling prices:—Round lots, $41.50 per ton, largely nominal; car lots, $41.50 to $42; less than car lots, $43 to $43.50.

Cottonseed Oil

Trading in refined oil futures in the local market was fairly active. Prices were irregular. Southern markets for cottonseed products ruled firm.

Cottonseed Oil.—Refined oil futures were irregular in the local market, fluctuations being mainly in company with the course of other commodities, especially lard and cotton. The changes from day to day were not very wide, the general drift being upward early in the week with a downturn later after which the tone turned steadier. Commission houses were on both sides of the market, selling the fall months on advances and buying on setbacks. Refiners and other trade interests were credited with operations on both sides of the account in a moderate way. Local traders in some cases were disposed to operate merely for quick turns pending further developments in the crop situation.

Excessive rains were reported in some sections early in the week but more favorable conditions prevailed later on. There were numerous complaints of weevil and it was feared by some that serious damage may be revealed later in the season. The New York Cotton Exchange trade service report under date of July 25 in a summary of the crop situation based on replies from 450 correspondents stated that in the belt as a whole the crop is probably behind normal advancement by 10 to 12 days on the average, adding:—"Boll weevils are reported to be present in the coastal plain sections of the Carolinas, in most parts of Georgia, in a good part of Alabama, over most of Mississippi, over most of Louisiana, in portions of Arkansas and in portions

Current prices on animal, vegetable, and fish oils (under Oil), fats, and greases (under Grease) are given in the alphabetical list of prices beginning on page 7

THE BRODÉ CORPORATION, MEMPHIS TENNESSEE
COTTON SEED MEAL, CAKE, HULLS, HULL BRAN, CRUDE AND REFINED COTTON SEED OIL, PEANUT AND SOYA BEAN PRODUCTS
Codes: Yopps, Robinsons, Bentleys, A. B. C. 5th Edition

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WAH CHANG TRADING CORPORATION
SPOT Woolworth Building New York, N. Y. FUTURE

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of Texas. Actual damage by the weevils in these infested areas to date appears to be very uneven. Many areas report little or no damage but other areas report considerable damage."

Southern markets for crude oil were firm with offerings generally light. New crop oil was reported to have sold in the Southeast at 7⅜c. Old crop oil was quoted at 7½c. and there was apparently little available at that figure. No change in the attitude of holders appeared likely to occur until new crop seed begins to move or reports concerning the progress of the cotton crop take on a more bearish tinge. Offerings of foreign cottonseed oil continued very scarce, the lack of sellers being attributed by some to a desire on the part of foreign producers to await further developments after rather liberal sales earlier in the season. Advices from the Coast stated that spot stocks of Japanese oil there had been cleaned up. The local market for miscellaneous oils, fats and greases had a firm tone, further advances being recorded in various products.

Demand here for cash refined cottonseed oil was reported as quiet but bullish views prevailed in some quarters concerning the consumption for the month of July, estimates of the disappearance of oil in some instances being from 25,000 to 50,000 barrels over the previous month. Marketing of hogs continued to run ahead of last year at this time and the weight of the hogs remained high, the average weight of the arrivals in Chicago during the week ended July 22 being 282 pounds, the same as in the two preceding weeks. Exports of lard from Atlantic and Gulf port from August 1 last to July 23 were 123,308,292 pounds, against 79,370,152 pounds in the same time last season.

Trading in bleachable prime Summer yellow cottonseed oil futures on the New York Produce Exchange from July 23 to July 29, inclusive, comprised 934 contracts, a total of 57,040,000 pounds. Following is a price record for the week:—

	Cents per pound in tanks— High.	Low.	Close.	
January	8.88	8.64	8.63	sale
March	8.92	8.68	8.65	sale
September	8.88	8.68	8.70	sale
October	8.89	8.63	8.63	sale
December	8.88	8.61	8.61	sale
Crude, Southeast,			7.50c.	nom.

Chicago, July 29.—The cottonseed oil market remains quiet, but firm. Good, off-Summer, yellow fig oil is 8⅞c. per pound. Refined, edible oil is 10c. to 10¼c. per pound, barrels, car lots; and 10¼c. to 10½c., barrels, less than car lots.

Hull, July 29.—Quotations on cottonseed oil were:—

	Refined. Per cwt. s.	d.	Egyptian crude. Per cwt. s.	d.
Saturday	22	0	19	0
Monday	22	6	19	6
Tuesday	22	6	19	6
Wednesday	22	6	19	6
Thursday	22	6	19	6
Friday	22	6	19	6

Cake and Meal.—A firm tone prevailed in Southern markets, offerings being reported as light in all sections with crushers awaiting developments in new crop seed. There was a fair domestic inquiry for meal.

Markets at Other Centers

Atlanta, July 27.—Prime crude oil and meal continue firm, reinforced by a crop outlook made dismal by cloudiness and rains throughout the cotton belt. Nature and the restrictive program of the federal government, it is thought, are to strike a heavy blow this year to the large pile of surplus cotton on hands.

Quotations of this market are:—Prime crude oil, 7½c. to 7¾c. per pound, and meal of 8 percent grade, $25 per ton, interior mills.

Memphis, July 29.—Crude cottonseed oil was quiet in this section during the week, practically no trading being reported. Bids of as high as 7½c. were made without bringing out offerings. There are a few scattered tanks in the hands of crushers but the holders are awaiting further developments. Cottonseed meal steady at $24 per ton for prime 41 percent at Memphis. Slab cake, $21 per ton at Valley points. Practically no trading in actual meal for new crop delivery. Mills show no interest in bids and probably will not until seed begins moving. Weather generally fair with occasional showers. Crop development generally favorable, but there are many complaints of boll weevil in southern Arkansas, Louisiana, Mississippi and southern Alabama. Damage from weevil is not expected to be revealed until the middle of August.

Closing cottonseed meal quotations on the Memphis exchange were as follows:—

	July 21.	July 28.
August	$23.75@—	$23.25@23.50
September	24.10@24.35	23.40@23.55
October	24.40@24.55	23.50@23.65
December	24.85@24.95	23.90@—

Fatty Acids

Capric Acid. — The tone continued steady. The inquiry was light but the requirements of consumers in the manufacture of chemical bases have been sufficient in recent weeks to absorb the rather limited output.

Castor Oil.—This fatty acid continued to occupy a steady position. There was a fairly active call from makers of cosmetics and synthetic resins though consumers were not inclined to purchase ahead.

Chinawood Oil. — The upward trend of basic material gave the market for chinawood oil fatty acid a firmer tone. A fair inquiry was received from local and other makers of driers and varnishes.

Cottonseed Oil. — Quotations on this fatty acid were well maintained, the market reflecting recent developments in basic material. Makers of synthetic resins, soaps and soap bases were fair buyers.

Linseed Oil.—A steady tone prevailed in the market for linseed oil fatty acid in the absence of any change in the position of basic material. There were reports of a somewhat better inquiry from makers of synthetic resins.

Stearic Acid.—The tone was firmer as the trend of basic material was still upward. Consumers in the soap industry were not inclined to anticipate to any extent but the movement for the week showed some increase as compared with the previous period.

Tall Oil.—Quotations were stationary and general conditions remained about as noted in recent preceding weeks, with the movement to makers of various oil and chemical compounds as well as textile soaps apparently holding up well.

Markets at Other Centers

Chicago, July 29.—The fatty acids market has been a little irregular but the prevailing tendency seems to be in the way of strength. Buying is continuing along rather routine lines.

FATTY ACIDS—Corn oil, double distilled, 8c. to 8¼c. per pound, tankcar; 8½c. to 8¾c., barrels, car lots; 9c. to 9¼c., barrels, less than car lots; coconut oil, acidulated, 8½c. to 8¾c. per pound, tankcar, mostly nominal; 9c. to 9¼c., barrels, car lots; 9½c. to 9¾c., barrels, less than car lots; cottonseed oil, double distilled, 7½c. to 7¾c. per pound, tankcar; 8c. to 8¼c., barrels, car lots; 8½c. to 8¾c., barrels, less than car lots; settled cottonseed soap stock, 60-62 percent basis, 3c. to 3⅛c.; boiled down soap stock, 65 percent basis, 4c. to 4⅛c.; cottonseed foots, 50 percent basis, 1⅜c. to 1½c.

STEARIC ACID—Distilled, single press, 10½c. to 11½c. per pound; double press, 11c. to 12c.; triple press, 13¾c. to 14¾c.; saponified, ¼c. higher.

Fish Oils

Menhaden.—The market for refined oil was stronger, the tone being influenced by recent developments in various other commodities as well as by a firmer primary situation. Quotations were advanced 2 points, the upward tendency of the market being followed by an improvement in demand though consumers were not inclined to anticipate to any important extent. Sales of crude oil were reported at 30c. per gallon, Baltimore.

Sardine.—Quotations were advanced 2 points, the market being firmer on strengthening reports concerning the primary situation as well as on recent developments in other commodities. There was a somewhat better demand.

Sperm.—Selling schedules were held at previous levels and the tone of the market appeared to be firm. Business was fairly active.

Markets at Other Centers

San Francisco, July 26.—Large interests were making their presence felt in fish oils markets all the way from California to the northwest last week when buying was started in earnest and substantial blocks of Alaska herring and Oregon and Washington pilchard oils were reported to have moved into contract at a figure of 30 cents per gallon, tankcars, f.o.b. Pacific Coast. Dickering was also current here in California during the week and oil reduction operators had an opportunity of disposing of sardine oil at the same price level, but a careful check revealed that the sale of any substantial gallonage was improbable. It was learned that California operators turned down like bids from the large users mainly because they were unwilling to negotiate until their labor problems were settled.

The labor difficulties, which seriously hampered Alaska herring activity this year, and which have cost the Oregon and Washington plants over a month's time now, seem to be getting nearer to solution. Negotiations between the plant operators and the fishermen went on from day to day last week, the latter finally dropping their ideas to $11 per ton for raw fish, while the operators have come up to $10. With only $1 per ton separating the two sides it was seen here today that a common ground would be found shortly. When agreed upon, the rate will affect Washington, Oregon and California. Factories in the two former states have been ready and waiting for over a month now, while in northern California, in Monterery and San Francisco bays, August 1 is the seasonal starting date.

The herring and pilchard oil reported sold last week moved at sellers' prevailing ideas. Buyers were said first to have entered bids at 27½c. against the offering figure of 30c., but when sellers stood firm, the sales were finally effected at the higher level.

Baltimore, July 27.—Some twenty-six tanks of oil were sold by the factories down the lower Chesapeake Bay at 30c. per gallon. This was an advance of 2c. over the price realized in the last previous deals and afforded much satisfaction to the fishing companies. The rise was apparently influenced by the light catches, which are likely to leave the fishing companies with at least part of their orders taken on a when-and-if-made unfilled. It is reported that one of the large buyers had held out for 28c. and was disposed to hold back even at that level, but the small quantity of oil available caused him to revise his idea of price. The fishing companies, for their part feel that the market may stand another advance, and they are not anxious to take on any extensive contracts even at the 20c. level. Of course, the market movement will be influenced by the figures on competitive products. The quotations on refined stocks stand at 53c. to 55c. per gallon for light pressed, at 55c. to 57c. per gallon for light bleached, and at 57c. to 59c. per gallon for yellow bleached stocks.

Fats and Greases

Grease.—The market remained firm in company with various other commodities. Quotations were advanced ¼c. as spot supplies were reported light. There was a fair inquiry from local and other consumers.

Lard.—Cash lard was quiet in the local market, a reactionary trend in futures in the West at times making domestic consumers inclined to curtail purchases and await further developments. There was a fair export movement.

Stearin.—The market was firmer, sales being reported at a further advance of ½c. Offerings were light on the rise.

Tallow.—A firm tone prevailed although transactions much of the time were apparently limited to comparatively small or moderate quantities, large consumers being inclined to await further developments. Offerings were light throughout the week. The trend of tallow futures was upward at times. Sales of spot tallow were reported at ¼c. advance.

Trading in tallow futures on the New York Produce Exchange from July 23 to July 29, inclusive, comprised 17 contracts, a total of 1,020,000 pounds. Following is a price record for the week:—

	Cents per pound in tanks— High.	Low.	Close.
July	5.75	5.75	.....
September	5.95	5.80	5.70@5.80
October	5.95	5.80	5.80@5.95

Markets at Other Centers

Chicago, July 29.—Buying of cash lard has shown no important change of nature. Prices continue to make a poor comparison with a year ago. Shipping trade is reported fair.

The range of lard quotations from the opening Saturday, July 23, to the close Friday, July 29, is shown in the following table:—

	Per 100 pounds— Open.	High.	Low.	Close.	Previous Friday.
Cash	$9.07	$9.20	$8.75	$8.75	$9.07
October	9.30	9.35	8.80	8.87	9.32
December	9.15	9.25	8.65	8.72	9.17

TALLOWS (tierces).—Edible, 7c. to 7¼c. per pound; prime, 5¾c. to 6c.; fancy, 6c. to 6¼c.; special, 5½c. to 5⅝c.; No. 1, 5¼c. to 5⅜c.

GREASES (tierces).—Choice white, 5⅞c. to 6c. per pound; A white, 5½c. to 5⅝c.; B white, 5⅜c. to 5½c.; yellow, 10-16, 5¼c. to 5⅜c.; yellow, 16-20, 5c. to 5¼c.; brown, 4¾c. to 5c.

STEARINS (barrels).—Prime oleo, 7½c. to 7¾c. per pound; lard, packages, 9⅜c. to 9½c.; A white grease, 5⅜c. to 5½c.; yellow grease, 5c. to 5¼c.; extra oleo stocks, 8¾c. to 9c.; No. 2 stocks, 8½c. to 8¾c.

Liverpool, July 29.—Quotations per cwt. on refined American lard were as follows:—

	Spot. s.	d.	July. s.	d.	Sept. s.	d.	Oct. s.	d.
Saturday	49	0	44	9	46	0	46	6
Monday	49	0	..	..	45	9	46	3
Tuesday	49	6	..	..	45	6	46	0
Wednesday	49	0	..	..	45	6	45	9
Thursday	48	6	..	..	44	3	45	0
Friday	48	0	..	..	44	0	44	9

Liverpool, July 29.—Quotations per cwt. on tallow were as follows:—

	Choice. s.	d.	Fine, good mixed. s.	d.
Saturday	21	6	19	0
Monday	21	6	19	0
Tuesday	21	6	19	0
Wednesday	21	6	19	0
Thursday	21	6	19	0
Friday	21	6	19	0

Animal Oils

Lard.—There were no further developments in the way of price changes, the market being steady at the advance announced in the previous week. There was apparently no broadening of trade.

Neatsfoot.—A steady tone prevailed, selling schedules being held at the levels ruling in the previous week. There was a fair inquiry for small or moderate lots.

Oleo.—Some increase in the inquiry was noted from local and other consumers though there was little disposition among buyers to provide for future requirements.

Tallow.—There was a fair inquiry from local and other buyers and the market retained a steady tone.

Markets at Other Centers

Chicago, July 29.—A quiet market prevails in the animal oils, with the tone steady.

LARD—No. 1, 8½c. to 8¾c. per pound.
OLEO—No. 2, 8½c. to 9c. per pound.
TALLOW — Acidless, 7½c. to 8c. per pound, tanks; and 8¼c. to 8¾c., drums.

Waxes

Bees. — Bleaching waxes were fairly firm as to price and reasonably active as to demand. The primary market offerings of such material were none too frequent nor ample. African wax continued unsettled and prices were on the easy side. June importations of crude wax, by countries of origin, were as follows:—

	Pounds.
Portugal	10,400
Mexico	7,092
Cuba	26,525
Dominican Republic	37,707
Haiti	5,947
Brazil	36,038
Chile	2,205
Peru	4,444
British East Africa	680
Egypt	18,381
Other French Africa	11,148
Other Portuguese Africa	51,384
Total	211,951

Candelilla.—Reports indicated that a few lots of this wax had been sold to this market clear of the restrictions of the Mexican cartel but the latest advice last week was that the leak had been caulked and control of prices and shipments returned to a condition of absolutism. Business was fairly good last week.

Carnauba. — All reports stressed the strength of the primary market and the inability of local importers to place orders save at full prices prevailing at the source. Special difficulty was experienced in buying No. 2 yellow in Brazil and spot stocks of that article were closely held. Spot dealers reported very good demand for both spot and future deliveries. Values were firmly maintained and in most directions there was a disposition to expect higher values as Fall demand broadens.

Japan.—Difficulty in placing orders in Japan was a general experience. Quantities due for shipment in the recent past were not despatched because of the flood conditions in Kobe. Japanese shippers were very firm in their views and offered nothing on new orders except for shipment fairly well toward the end of the year. June importations totaled 50,401 pounds.

Linseed Oil Commodity Rates Are Ordered Cancelled

The New York Public Service Commission has approved cancellation of the commodity rate on the following:—

Of the New York Central (East) of its commodity rates on linseed oil, less than carloads, from Amsterdam to Unadilla Forks, West Winfield, Richfield Springs and Sauquoit. Reduction to class rates.

Current prices on animal, vegetable, and fish oils (under Oil), fats, and greases (under Grease) are given in the alphabetical list of prices beginning on page 7

SUN BLEACHED
Beehive Brand BEESWAX
• Finest Quality
• Guaranteed Pure
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Established 1855
Spermaceti Red Oil Glycerine
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WARRANTED PURE BEES WAX

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Ten years ago, Monsanto introduced to America a new high standard of Vanillin, produced from the basic elements of carbon, hydrogen and oxygen.

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☆ VANILLIN MONSANTO, produced by the world's largest manufacturer of Vanillin, is the first choice of discriminating buyers because it adds to the salability of their products. ☆

Drugs, Fine Chemicals

Quicksilver Breaks Here, but Italian Prices Hold Strong—Mercurials Not Affected—Ephedrine Lower When Production Cost Drops—Podophyllin Down—Milk Powder Off

Although demand for drugs and fine chemicals made for a quiet market last week, some items developed interesting market conditions, and hence monotony was kept clear of the spot throughout the period.

Quicksilver occupied a prominent place in this respect. First, the Italian shippers maintained a strong market and offered only current production. Second, New York sellers in small lots shaved prices mercilessly until the spread between the spot price and that for duty paid Italian metal was fully $8 the flask. Third, a report that the Franco rebels had captured the mines proved erroneous. Finally, domestic production was meeting the small spot demand. Mercurials changed not at all so far as prices were concerned.

Large importations of raw material had been cited recently as the forerunner of a substantial reduction in quotations on ephedrine. The market was found to be lower last week, the reduction being substantial. Podophyllin was reduced sufficiently to account for the fact that manufacturers have been able to buy raw material to advantage. It may be recalled that stocks of mandrake root were virtually exhausted last year.

Milk powder has not benefited, so far as price is concerned, by the huge purchases of the AAA. A substantial amount of surplus stocks has been diverted into relief distribution channels, but nature continues to provide abundant supplies of milk, and hence lack of much demand from regular channels led to prices on whole milk powder being reduced.

Acetanilide. — Although business was not expansive, it was well up to recent volume and contributed to the generally steady position that continued to feature the spot market and prices.

Acid, Boric.—Prices were steady and well stabilized. A fair business is now on the books of the producers, and quantities taken out on contracts give encouragement for the future deliveries of this merchandise.

Acid, Citric.—A heat wave, particularly vicious and accompanied by high humidity prevailed along the Eastern seaboard last week. Other parts of the country also reported weather conditions that were favorable for an increased consumption of acidulated beverages. The result was a very good movement of this acid and an exceptionally steady market for the same.

Acid, Lactic.—The U.S.P. variety of this merchandise moved moderately as to quantity, but also very steadily at full prices during the past week. Competition was negligible.

Acid, Tartaric. — Conditions favorable for an increased consumption of this acidifier was the rule through large areas of the country last week. Renewal of consuming demand tended to strengthen the already strong market prevailing in recent weeks.

Agar.—The Japanese market held very firm in price and offerings were conservative. Locally, a firm market also prevailed although consumers were in the market irregularly to an extent that made local business spotty.

Alcohol.—The lower price schedules set up on all forms of alcohol during the previous week ruled steadily during the period just ended. More favorable values failed greatly to stimulate buyer activity. Consumers took little more than their actual wants. Since it is still too early for the large business in antifreeze formula to develop, the situation was one typical of that prevalent for many weeks. It was also one which offered goods at exceptionally attractive prices to those with storage capacity.

Amyl Alcohol. — The lowering of prices was not extended last week but the more favorable values set up then became general through the market and conditions appeared to be slightly steadier.

Argols.—Foreign market prices held strong and sellers were little disposed to accept bids. June importations of argols, wine lees and calcium tartrate were as follows:—

	Pounds	
	Argols and wine lees.	Calcium tartrate.
Denmark	.....	.....
France	1,033,385	118,944
Italy	422,965	40,000
Switzerland	.....	.....
Canada	.....	.....
Argentina	1,089,001	.....
Chile	72,546	.....
Algeria	144,686	.....
Morocco	34,824	.....
Totals	2,797,407	158,944

Bismuth Metal and Salts. — Prices were firm. The cost of metal kept production cost of salts at a level practically eliminating opportunity for substantial competition for orders save on the bases of the full market schedule on that group. A fair but not large call was the general report.

Cadmium Metal.—The plating industry has shown some gain in activity that paralleled greater activity in the motor car industry. However, trade had been light for some time past and hence the appearance of more business failed to find reflection in prices within the cadmium group.

Caffeine.—Very good movement was reported. Seasonal activity has reached fair volume and the general firmness and stability of the market indicated conditions to be reasonably satisfactory.

Camphor.—June importations of synthetic material 14,421 pounds from Germany. Imports of natural camphor from Japan were 66,133 pounds of crude and 22,414 pounds of refined. These totals were indicative of two things. First, the not exceptional character of demand at this time. Second, the steady concolidation and expansion of the position held by the domestic industry in synthetic material.

Castor Oil.—Routine trading on the basis of prices usually very steady was reported last week. Consumption was still crippled by the failure of textile operations to expand as much as earlier estimates had suggested. Medicinal consumption was about normal.

CHICAGO, July 28.—Castor oil orders have shown moderate and somewhat irregular improvement recently. The trade seems to be watching the market rather closely, and the tone is quite good. Ruling prices are:—No. 1, barrels, car lots, 10½c. per pound; barrels, less than car lots, 10⅞c.; returnable drums, car lots, 9⅞c.; drums, less than car lots, 10⅝c.; tanks, 9⅞c.; No. 3, barrels, car lots, 9⅝c.; returnable drums, car lots, 9⅜c.; less than car lots, 10⅛c.; tanks, 8⅞c.

Cinchophen.—Trade was light. Demand was irregular from day to day and the total volume was not very large. However, in the absence of unsettling conditions, prices failed to change; they were generally on the steady side.

Codliver Oil.—Germany and Iceland were the largest shippers of this oil to the United States in June. Together, they shipped 627,851 gallons out of a total of 741,169 gallons received. Norwegian shipments were but 64,101 gallons. These arrivals, when added to already large carryover stocks in the hands of buyers, created a stock of substantial size. Hence, agents of foreign

Current prices on drugs and fine chemicals are given in the alphabetical list of prices beginning on page 7

Price Changes

Prices were changed during the past week as follows:—

Advanced

None

Reduced

Ephedrine alkaloid, $1 per oz.
hydrochloride, 75c. per oz.
sulphate, 75c. per oz.
Milk powder, unskimmed, 1c. per lb.
Podophyllin, 35c. per lb.
Quicksilver, $3.50 per lb.

Comparative Values

Index numbers compiled from thirty-five typical drugs and fine chemicals on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
182.0	**183.2**	**181.7**	**181.5**

Market news that may have developed after this report was sent to press will be found on page 4.

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shippers were inclined to worry some about business in the months to come. June importations by countries were as follows:—

	Gallons.
Denmark	1,400
Germany	421,414
Iceland	206,437
Norway	64,101
United Kingdom	17,332
Canada	11,574
Japan	18,911
Total	741,169

Ephedrine.—Prices have been reduced. The movement was in line with market prognostications and predictions even since renewal of raw material arrivals on a large scale forecast an ample production of the alkaloid and salts. The new quotations were:—Alkaloid, 1,000-ounce lots, $2.50 per ounce; 100-ounce lots, $2.65; hydrochloride and sulphate, 1,000-ounce lots, $1.75; 100-ounce lots, $1.90.

Epsom Salt.—Business was steady but quantities under request were usually conservative in size. The undertone of the market was generally steady and price competition appeared to be entirely out of the picture.

Glycerin.—Crude material was reasonably firm. In fact, some quarters intimated that there had been a gain in firmness and hence prices were declared to be less subject to successful bidding by buyers. Chemically pure and high gravity material remained steady in price but the demand was not what it should be. Many large buyers seemed to be well stocked against current requirements. Japan was reported to be still anxious to expand her glycerin exports but reports from the American commercial attache at Tokyo said that much lower prices in foreign markets were checking Japanese export sales. Japanese contracts with European and United States buyers were reported by the attache to be about 1,000 metric tons.

CHICAGO, July 28.—Demand for c.p. glycerin is reported picking up, in line with seasonal expectations, and also perhaps reflecting the general business improvement. Other grades of material are also in good tone, and moving out fairly well at this time. Ruling prices are:—C.p., drums, 14¼c. per pound; drums, less than car lots, 14¾c.; cans, 16¼c. to 18¼c., according to quantity; high gravity, drums, car lots, 13¾c.

Milk Powder.—Prices on whole milk powder were 1c. lower at 15½c. per pound in car lots and 16½c. in less than car lot quantities. The schedule on skimmed milk powder held unchanged. Hugh purchases by the AAA have taken large surplus stocks out of the market but it still remains weak because of ample supplies of raw material.

Podophyllin.—Lower manufacturing cost has resulted from the acquisition of new crop raw material at lower prices. The new market price was $4.65 per pound minimum and the range was upwards of $4.90 according to quantity.

Quicksilver.—Buyers wanting small lots, say fifteen flasks or less, could satisfy their wants at $76.50 per flask. In fact, one report said that a four-flask lot had changed hands at $76.50 per flask. But to the buyer of foreign metal, two hundred flasks or more, $84.50 per flask was the market, and it was strong thereat. Large buyers have had to purchase metal in Italy and to do so on the basis of the Italian in bond price of $65 per flask. During the week, there were reports to the effect that the Spanish mines had been captured by the Franco rebels. Apparently, that was not true. And a well informed quicksilver specialist on spot said that if and when Franco does get the mines—he is about thirty miles from them now—in all prabability he will find them flooded from the nethermost pit to the highest outcropping. There remains the position of Italy. The best information was that all reserve stocks in Italy have been sold and new business must be out of current production. Opinion was offered to the effect that in all probability, Italy would reject orders involving exceptionally large quantities of metal. As to demand last week, it consisted mainly of small requirements that were met through purchases of domestic metal, production of which has been estimated to be about 1,000 flasks a month, and by the few lots of Mexican metal forthcoming at this time. Late in the week it was alleged that two hundred flasks of domestic metal were sold at $76 per flask.

SAN FRANCISCO, July 25.—Quicksilver remained quiet last week, both inquiry and trade being rather light. The market was without any particular feature; if anything the situation was not improving to any extent insofar as the price situation was concerned. Moderate sized lots were said to be available at $78.50 to $79, New York, and larger quantities would probably find these levels shaded.

Quinine.—Summer business has been very good in the main and the market has had a steady, well supported quality that forecasts a Fall business likely to be normal. Prices were very steady. Stocks were ample.

Santonin.—Some suppliers said that there had been a gain in sales of this article. The improvement was moderate, but any gain of sales would be encouraging, considering the lack of much interest during the past several weeks. Prices were firmer.

Seidlitz Mixture.—Trade was up to its normal level, and since production costs were firm at the recent advances, the market position of the derived material was one of considerable strength and little competition.

Silver Nitrate.—The schedule of prices since the last report prevailed as follows, covering quantities of 500 ounces; small lots from 1c. to 2c. more per ounce, and quantities of 500 ounces are quoted at about 1c. less. Comparison of prices of bullion in New York and London is also provided.

	Per ounce		
		Bullion	
	Nitrate, Cents.	New York, Cents.	London, Pence.
Saturday	31½	42¾	19⅝
Monday	31½	42¾	19⅛
Tuesday	31½	42¾	19⅞
Wednesday	31½	42¾	19⅞
Thursday	31½	42¾	19⅞
Friday	31½	42¾	19⅝

Narcotics Production Close to Consumption

—Continued from page 5

1936 were practically the same as those at the end of 1935, showing only slight increases in the case of cocaine and diasetylmorphine, and slight decreases in the case of morphine, codeine and dionine. The conclusion therefore is reached that the increased quantities produced were largely utilized in an increased consumption in the drug manufacturing countries themselves. In fact the amounts of each of the drugs returned by the principal manufacturing countries as consumed by them show in each case marked increases.

Past experience seems to show, however, that the actual use by the medical profession of the principal drugs does not fluctuate as widely as these statistics of increased consumption seem to suggest. The secretariat suggests two possible explanations. The first is a possible increase in what are known as government stocks, that is, stocks in military institutions, military hospitals, and the like; under the conventions the parties are not bound to furnish statistics of the level of such government stocks. The second explanation relates to a different kind of stocks, namely stocks in the hands of retailers; in the great majority of cases consumption figures supplied under the convention are figures of sales by wholesalers (including manufacturers) to retailers. The laying in by retailers of additional stocks through purchases from wholesalers or manufacturers would have the same effect of swelling the consumption statistics as purchases by governmental institutions.

The general conclusion is that the world position in 1936 as regards the manufacture and use of the five principal drugs appears, in fact, to have been the same as in the five previous years; that is, the amounts lawfully manufactured correspond to legitimate world requirements, and the tendency toward the stabilization of production at the level of such requirements was not interrupted in 1936.

Teeter Returns from Europe

A. A. Teeter, of Charles Pfizer & Co., manufacturing chemist, this city, returned from a European vacation on June 21, making passage on the steamship Rex. He was accompanied by his son Albert.

Leaving here June 8, and without formal itinerary, Mr. Teeter's travels took him through England, France, Germany and Italy. Observing business conditions in these countries, he got the impression that commerce was in a very fair way on the Continent and in England. Industrial activity was widespread, employment was at apparently high levels, and reasonable confidence seemed to repose in business men.

Asked regarding signs of possible war, Mr. Teeter said that he heard very little talk about such an eventuality. In fact, he avered that one hears and reads far more about war when in the United States. While fear of international conflict may exist, Europeans in their outward contacts gave few signs that such was the case.

Plenty of hot weather was experienced, together with unfailing sunshine throughout the entire trip. Therefore, Mr. Teeter and his son were able to indulge the Teeter hobby of photography to the fullest. He is an amateur photographer in the highest sense of the word and has exhibited his artistic creations in the most important international salons.

Drugs and cosmetic manufacturers in Colombia have been listed by the Bureau of Foreign and Domestic Commerce, Washington, D. C. The list is available to accredited American firms at 10 cents per copy.

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Drug Law Regulations Are Promulgated

—Continued from page 3

law shifts the procedure of the administration from an informal to a formal basis, and rules of practice will be necessary when the law becomes generally effective next June. In addition, the administration is considering revising its method of informing the public of the current status of its rulings and interpretations. This formerly was done through the issuance of so-called "Food Inspection Decisions" and later through periodic service and regulatory announcements. Since many of these decisions and announcements became obsolete or were frequently amended, thought is being given to a new system for keeping rulings current.

To expedite application of the law to its new purposes, the regulations promulgated late last week, as was stated in the REPORTER for July 25, were issued without prefatory hearings. Department officials say that they will welcome constructive suggestions as to necessary revisions. On the basis of such suggestions proposed revisions will be announced as soon as possible, and dates and places for public hearings will be fixed, notwithstanding the fact that the statute does not specifically require such hearings on any of the sections that became effective June 25. No criticisms have yet been received.

Definition of 'New Drug'

With respect to section 201 (p) of the act, defining a new drug in respect of section 505, the regulation adopted is as follows:—

A drug may be a new drug by reason of:—

(1) The newness for drug use of any substance which composes the drug, in whole or in part, whether it be an active substance or a menstrumm, excipient, carrier, coating, or other component.

(2) The newness for drug use of a combination of two or more substances, none of which is a new drug.

(3) The newness for drug use of the proportions of the substances in a combination, even though the substances in certain other proportions do not constitute a new drug.

(4) The newness of the dosage, or methods or duration of administration or application, other conditions of use of the drug prescribed, recommended, or suggested in the labeling thereof, even though the drug is not a new drug when used in certain different dosage, or in different methods or duration of administration or application, or in conditions that are otherwise different.

Introduction of New Drug

In connection with section 505, which has to do with the determination of the safety in use of new drugs, the resolutions adopted cover subsections (a), (b), (c) and (i). They are interpretative of the provisions and certain procedure, as follows:—

(a) A new drug shall not be deemed to be subject to section 505 of the act if it is subject to the virus, serum, and toxin act of July 1, 1902 (U.S.C., 1934 ed., title 42, ch. 4), or the virus, serums, toxins, antitoxins and analogous products act of March 4, 1913 (U.S.C., 1934 ed., title 21, ch. 5), and complies with such act.

(b) To be valid an application must contain as a part thereof all the matter required by section 505 (b) of the act; the secretary shall not permit the filing of an application which is incomplete. The Food and Drug Administration shall notify the applicant of the date on which his application is filed.

(c) If the secretary finds, before the date prescribed by section 505 (c) of the act for an application to become effective, that he has no cause to issue an order under section 505 (d) of the act refusing to permit the application to become effective, the Food and Drug Administration shall so notify the applicant in writing, and the application shall become effective on the date of the notification.

Drugs for Investigational Use

(i) A new drug intended solely for investigational use by experts qualified by scientific training and experience to investigate the safety of drugs, shall be exempt from the operation of section 505 of the act if:—

(1) Its labeling bears the statement, "For investigational use only;"

(2) It is delivered only to such experts and is used by them solely for investigation;

(3) Each expert has adequate facilities for the investigation to be conducted by him; and

(4) The person who introduced the drug in interstate commerce, or delivered it for such introduction, holds a signed statement from each expert to the effect that he will not use the drug otherwise than in the investigation to be conducted by him unless and until an application under section 505 (b) of the act becomes effective with respect to such drug.

Sampling for Analysis

The regulations under section 702 (b) have to do with the collection of samples of articles for analysis for determination of their status under the act; also they cover the furnishing of a representative portion of the collected sample to the respondent or other interested party. These regulations are as follows:—

Definition of 'Official Sample'

(a) An official sample is a sample collected by an officer or employee of the department from a shipment or other lot of an article within the jurisdiction of the act, with records or other evidence showing such jurisdiction. Analysis includes examinations and tests.

(b) An official sample of a food, drug, or cosmetic collected for analysis under the act shall be at least twice the quantity estimated by the officer or employee to be sufficient therefor, unless—

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(1) the amount of the article available and reasonably accessible for sampling is less than twice the quantity so estimated;

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(3) the article is perishable;

(4) the sample is collected from a shipment which is being imported or offered for import into the United States, or from a person named on the label of the article, or his agent, and such person is also the owner of the article; or

(5) the analysis consists principally of rapid analytical procedures, organoleptic examination, or other field inspection examinations or tests, made at the place where the sample is collected or in a mobile or temporary laboratory.

In addition to the quantity of sample prescribed above the officer or employee shall, if practicable, collect as part of the sample such further amount of the article as he estimates to be sufficient for use as exhibits in the trial of any case under the act based on the sample.

Furnishing of Sample

(c) After the Food and Drug Administration has completed such analysis of an official sample of a food, drug, or cosmetic as it determines, in the course of analysis and interpretation of analytical results, to be adequate to establish the respects, if any, in which the article is in violation of the act, and has reserved an amount of the article it estimates to be adequate for use as exhibits in the trial of any case under the act based on the sample, a part of the sample, if any remains available, shall be provided for analysis, upon written request, by any person named on the label of the article, or the owner thereof, or the attorney or agent of such person or owner, except when—

(1) the sample, after collection, has become decomposed or otherwise unfit for analysis, or

(2) the request is not made within a reasonable time before the trial of any case under the act based on the sample.

The person, owner, attorney, or agent who requests the part of sample shall specify the amount desired and make advance payment of the cost thereof. A request from an owner shall be accompanied by a showing of ownership, and a request from an attorney or agent by a showing of authority from such person or owner to receive the part of sample. When two or more requests for parts of the same sample are received the requests will be complied with in the order in which they were received so long as any part of the sample remains available therefor.

(d) When an official sample of a food, drug, or cosmetic is the basis of a notice of hearings under section 305 of the act, or of a case under the act, and the person who received the notice or who is a party to the case has no right under paragraph (c) to a part of the sample, such person or his attorney or agent may obtain a part of the sample upon request accompanied by a statement from each person named on the label of the article, and owner thereof, who has not exercised his right under paragraph (c), waiving such right. The operation of this paragraph shall be subject to the exceptions, terms, and conditions prescribed in paragraph (c).

Trademark Hearing To Be Held in Albany

Albany, July 29, 1938

The committee of the State legislature appointed to make a study of the proposal that registration of trademarks in this State be made compulsory, will hold a public hearing in the matter August 10. Various interested industries, especially in the drug and cosmetic fields, are making arrangements through their associations to be represented at the hearing.

Drug Law Study Planned by Food Chemists

Appointment of a committee composed of chemists to handle technical problems arising under the new Federal food, drug and cosmetic act is planned by the Association of Grocery Manufacturers, in order to help members of the association, according to Paul S. Willis, president, in an address to the Mid-West members at a meeting in the Palmer house July 20.

The new law will present many technical problems during the coming twelve months while regulations will be in process of determination, Mr. Willis said. He said that it was the plan of the association to be ready to deal intelligently with this subject matter with the help of this special committee. Charles Wesley Dunn, counsel for the grocery producers, reviewed developments leading up to the enactment of the measure and discussed its provisions.

Drug Wholesalers May Sales Off 5.7%

Sales of drugs and drug sundries by wholesalers amounted to $15,019,000 during May, which was a decline of 5.7 percent from the same month a year ago, according to reports by 129 wholesalers to Department of Commerce. The cost value of wholesalers' inventories at the end of May were 3 percent lower.

Collections in May aggregated 72 percent of total amounts receivable on the first of the month as compared with ratios of 76 percent last May and 73 percent during April. Reports from over 2,850 independent retail drug stores in twenty-five States indicated a decline of 4 percent for May as compared with May, 1937.

Dupont Company Develops Brush Bristling Filament

Wilmington, Del., July 29, 1938

A new bristling filament for use in toilet brushes, known as "Exton," has been developed by the plastics department of E. I. du Pont de Nemours & Co. The present production is limited and the entire output is being used in du Pont's own tooth brush manufacture.

The new bristling filament is made in the form of a plastic batch like dough, it is extruded through holes of the required size and can be made into strands of virtually any desired length. It is not softened by water or saliva. Its stiffness can be controlled accurately in the making through a variation of the diameter of the hole.

Armour & Co. 1938 Peptone For Testing Now Available

Dr. George F. Reddish, of the Lamber Pharmacal Company, St. Louis, Mo., issued a statement as chairman of the disinfectants and antiseptics scientific committee of the National Association of Insecticide and Disinfectant Manufacturers, which has been co-operating with the Armour Laboratories, Chicago, in testing different lots of Armour's peptone and selecting from these various lots those peptones best suited for use in testing disinfectants and antiseptics. The new "1938 Peptone," which has been tested and approved by this committee is now available. This peptone may be secured direct from Armour & Company, Chicago, or from any scientific supply house. Order shoud specify "1938 Project Armour's Peptone."

F.T.C. Charges Hit Food Brokerage Firm

—Continued from page 5

sissippi Sales Company, and the Jobbers Produce Company, owning the majority of the outstanding stock of both corporations, and that he and R. M. Snowden are majority stockholders of the Penny Stores, Inc., and Buckley-Young Company. Snowden is president of the Penny Stores, Inc., and vice-president of the Buckley-Young Company.

Through the agency of the Mississippi Sales Company, the complaint alleges, the Jobbers Produce Company, makes purchases from the respondent sellers on which the latter pay so-called brokerage fees or commissions to the brokerage house, to the Jobbers Produce Company, and to Scott.

The complaint avers that the fees are accepted without any service whatsoever being rendered to the respondent sellers, and while the ownership, management and control of the Mississippi Sales Company are identical and affiliated with the Jobbers Produce Company, through the individual respondent Scott, who is president, director and majority stockholder of both corporations.

Under similar circumstances, the complaint charges, the Mississippi Sales Company accepts unlawful brokerage fees from the respondent sellers on sales they make to the Penny Stores, Inc., and the Buckley-Young Company.

Botanical Drugs, Spices, and Gums

Ergot Advanced Again and Business Improves—Sumatra Benzoin Higher as Shipments Decrease—Powdered Pyrethrum Flowers Rise—Ipecac Unsettled

Accumulation of new crops estimated to affect spot prices and during the past week a substantial number of downward revisions brought spot quotations more definitely into line with the prevailing cost of replacements. However, in most respects the basic position of the market was considered to be firmer, both domestic and foreign crude drugs being affected.

News from abroad suggested that buyers might well give consideration to protecting their needs. So far as forments were conservative and were readily supplied out of spot stocks that were priced favorably to consumers. Undertones were fairly steady.

Fir.—Canadian balsam lacked further change but the market had a moderately easy undertone and conditions seemed still to favor buyers with firm orders in hand. The situation in Oregon balsam suggested possible increase in market strength unless stocks be larger than at present are indicated.

Price Changes

Prices were changed during the past week as follows:—

Advanced

Belladonna root, ½c. per lb.
Benzoin, gum, Sumatra, 5½c. per lb.
Cascara bark, 1½c. per lb.
Dill seed, ½c. per lb.
Ergot, U.S.P., 20c. per lb.
Pyrethrum flowers, ground, 3¾c. per lb.
powder, 2¾c. per lb.
Saw palmetto berries, ½c. per lb.

Reduced

Anise, Spanish, 1c. per lb.
Buchu leaves, 1c. per lb.
Cocillana bark, 1c. per lb.
Cantharides, Russian, whole, 10c. per lb.
powdered, 10c. per lb.
Colombo root, 1c. per lb
Cranesbill root, 1c. per lb.
Canary seed, Argentine, ¼c. per lb.
Turkish, ¼c. per lb.
Morocco, ¼c. per lb.
Caraway seed, ¼c. per lb.
Coriander seed, ¼c. per lb.
Ginger root, African, ½c. per lb.
Celery seed, French, ¼c. per lb.
India, ¼c. per lb.
Helonias root, 4c. per lb.
Ipecac root, whole, 10c. per lb.
powder, 10c. per lb.
Pepper, black, Lampong, ⅛c. per lb.
Poppy seed, ¼c. per lb.
Peppermint leaves, domestic, 2c. per lb.
Rhubarb root, whole, 4c. per lb.
powder, 5c. per lb.
Skunk cabbage root, 2c. per lb.
Saffron, Spanish, $2 per lb.
Scullcap, Eastern, 10c. per lb.
Western, 3c. per lb.
Thyme, 1c. per lb.

Comparative Values

Index numbers compiled from forty typical botanicals on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
124.5	**123.1**	**122.1**	**126.0**

Market news that may have developed after this report was sent to press will be found on page 4.

eign prices are concerned, there has been less downward tendency than usual during the collection season. Several countries have so arranged control over exports that their impositions amount to a substantial export tax on important items. Mexico is considering a general export tax of 12 percent, affecting sarsaparilla, jalap, scammony, and saffron. Chinese and Japanese items, Indian, African, and European merchandise have all shown marked effects, in one form or another, of political and manipulative influences. All of these conditions affect the landed cost of botanical drug and allied merchandise and hence there is some reason for the belief that prices will rise.

Entries of botanicals at the port of New York since the week of January 1, 1938, the detentions of these items by the Department of Agriculture because of the presence of matter rendering them unfit for human consumption were:—

	Bags	
	Detained.	Entered.
Anise	407	878
Belladonna	51	245
Caraway	784	4,463
Cardamom (cases)	35	1,002
Celery	...	553
Coriander	1,767	3,491
Cumin	412	1,128
Digitalis leaves (cases)	68	77
Dill	...	360
Fennel	176	454
Henbane leaves (bales)	42	107
Mustard	200	19,511
Poppy	300	21,526
Sage leaves (bales)	25	288
Sesame	841	5,984
Stramonium (bales)	516	516
Thyme (bales)	9	416

Balsams

Copaiba.—Inquiries were moderate in number and size. Buyers' require-

Barks

Bayberry.—Undertones were steady. Local stocks were not excessive in size and were mostly in very firm hands. Immediate demand was moderate to light but improvement was expected to come with the arrival of Fall. Prices held.

Cascara.—News late last week recorded inability of local dealers to place orders for new crop bark on the Pacific Coast. Dealers there withdrew offerings previously made at 6¼c. per pound and it proved impossible to get anything under 8c. per pound, and that was for holdover bark from the 1937 crop. Spot quotations were advanced to 10c. to 11½c. per pound and there was a strong tendency to raise the inside price still further should the situation in the Far West continue as reported.

Cocillana. — Spot quotations were shaded slightly to the basis of 15c. to 16c. per pound and the market as quoted appeared to be generally easy in practically all quarters. Interest of buyers was conservative enough to keep quotations unsettled.

Cotton.—With a huge cotton crop in prospect, the outlook for a good collection of this bark was favorable but will depend a great deal on labor being available at favorable cost. Federal, state and local projects may cut the field-labor supply.

Wild Cherry.—Country reserves have been steadily increased though caution against an over supply has been exercised. The market on spot had a fairly easy tone last week and lacked much in the way of demand for spot parcels.

Beans

St. Ignatius.—Considering demand, the spot supply was ample but when judged solely by the quantity available, irrespective of present demand, the holding was not thought to be unduly large. The market lacked activity exceeding that of jobbing size.

Vanilla.—The fundamental position of the Bourbon bean market remained strong. Inability to secure normal offerings from abroad accompanied maintainence of high quotations named as indicative of the foreign markets. Locally, values were well held in all quarters and stocks were generally far less than the normal reserve. Should consuming demand broaden substantially, local sellers stated that reserves would hardly be adequate. Higher prices would come promptly as a means of keeping demand in check and some sellers intimated that rationing of supplies would be necessary.

Berries

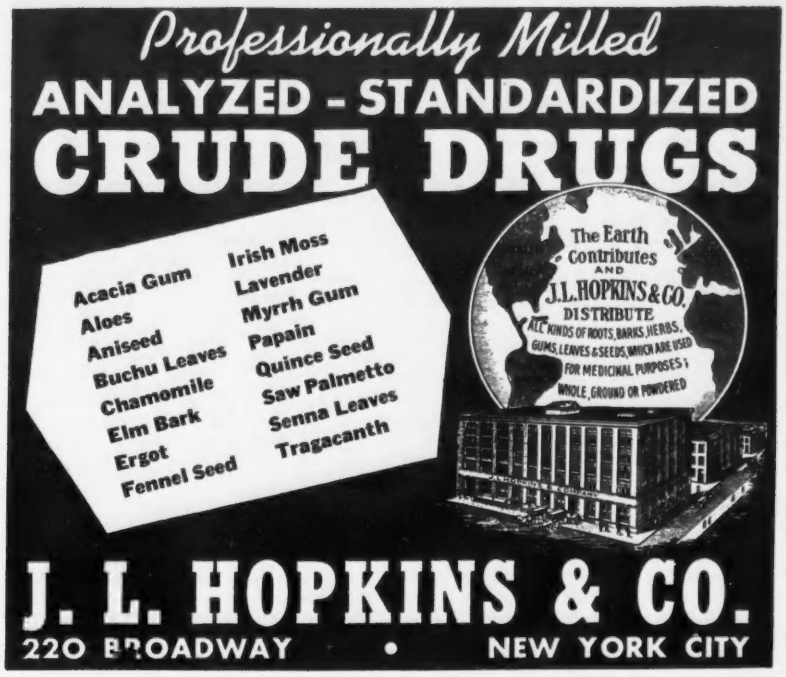
Raspberries. — The undertone and prices were steady. Demand was slow and slight, keeping pressure aloof from the spot price situation.

Saw Palmetto. — Quotations were slightly higher at 7c. to 7½c. per pound but there seemed little reason for the advance since stocks here and at the source seemed to be fully ample to cope with much more than the current interest in the item.

Flowers

Arnica.—News from abroad did not suggest probable decline in shipment prices when the new crop begins to press for more active sale. Locally, a very steady market was the rule even though spot demand was moderate.

Current prices on botanical drugs and spices are given in the alphabetical list of prices beginning on page 7



Vanilla Beans--Tonka Beans
Thurston & Braidich, Importers, 286 Spring Street, New York

KARAYA TRAGACANTH ARABIC
GUMS
WHOLE AND POWDERED
FRANK-VLIET CO. INC.
160 WATER ST. NEW YORK, N. Y.

Pyrethrum.—The market was higher on ground and powdered Japanese flowers. Ground in 15 ton lots was priced at 27c. to 28½c. per pound according to seller; fine powder, 28c. to 30c. The position of whole flowers in Japan has been on constant increase in strength and hence the local market was distinctly firm under the added influence of very good request.

Rose.—Pale flowers were still available at 25c. per pound but the range was narrower and the top quotation was 28c. Red flowers held very steady at home and abroad but demand was moderate.

Rosemary.—Several fair sized lots moved into consumption last week and revealed a market that was generally steady and free from much in the way of price competition.

Saffron.—As low as $28 per pound was quoted, while as high as $30 was asked following sales said to have been made at $29. It was a mixed situation in which the presence of one and possibly two spot lots held less firmly than other material was a contributing influence that checked the rising tendency of values.

Gums

Aloe.—The situation developed little that was new. The future of prices continued set on the path of strong and possible still higher position, this for the reason that the crop of Curacao gum was poor. Offerings were few and values were always tending upward.

Arabic.—Trading was conservative and somewhat slow on the spot. Jobbing trade made the bulk of transactions and signs of early expansion of requirements of the larger manufacturing consumers were lacking. Prices were unchanged but they were fairly easy and subject to considerable tendency toward competition.

Asafetida.—Control of shipments and prices at the source continued to hold over the market an influence likely to keep prices tending upward. How far control, if any, will extend was uncertain but the situation was being watched closely here.

Benzoin.—Sumatra gum was higher at 23c. to 25c. per pound and ruled in firm position when sales made to careful buyers confirmed the ability of dealers to get the higher figure. Spot reserves were moderate. Shippers said they were not able to make offerings at present. All recent arrivals were said to have been rejected.

Camphor.—Values were generally steady, mainly for the fact that replacement costs were well held and signs of unsettlement were lacking. Demand from distributors was moderate but an improvement was expected to come when Fall shall bring coverage of early Winter needs.

Herbs and Leaves

Buchu.—Prices were shaded to 40c. to 41c. per pound and, lacking much in the way of demand, the local market had a comparatively easy undertone in company with more competition.

Peppermint.—Domestic goods were lower and easier at 26c. to 28c. per pound, stocks having gained. Foreign merchandise remained very steady since foreign quotations have not declined much if any with the accumulation of new crop goods.

Skullcap.—Eastern was priced lower at 20c. to 21c. per pound, while the western was also lower at 14c. to 17c. These revisions were in line with the results of new crop accumulations from which replacements have been secured.

Thyme.—The market was down to 14c. to 15c. per pound when demand lagged and sellers pressed a fair surplus for sale on a narrow market.

Uva Ursi.—More inquiry showed sellers to be firm in their price views and still uncertain as to the quantities to be forthcoming from Europe. Ordinarily, the material is secured from Spain, where civil war continued to keep commerce highly uncertain in all aspects.

Miscellaneous

Cantharides. — Russian goods were lower at 90c. to 95c. per pound for whole, and $1.15 to $1.20 for powder. This continued the general easing notable in the market in the recent past. Chinese flies remained unchanged. The demand was routine.

Ergot.—Prices were higher at $1.70 to $1.75 per pound for U.S.P. merchandise. Reports from Spain have varied considerably, some of them saying that no crop of Spanish material would be produced, while others indicated it would be half of normal at the best. Local sellers reported an increase in sales, contrasting with the generally dull market prevalent for some time. The situation seemed to be such that future movement of prices could well be either up or down, depending on what is the actual situation in Spain and Portugal.

Grains of Paradise.—Sellers offered fairly well at 23c. to 23½c. per pound

without attracting more than a moderate consuming requirement to the spot market.

Kamala.—A slight gain in iquiry was noted without prices being affected one way or another. A generally steady situation seemed to prevail among sellers and stocks were of fair size.

Papain.—While developments were lacking the situation was being watched rather closely. First, there was some reason to look for higher shipment prices. Second, local sellers continued to report a deal of competition in the spot market. As to buyers, their interest was moderate and mainly for routine needs.

Roots

Belladonna.—The market was firmer and fractionally higher at 12c. to 12½c. per pound, reflecting further accession of strength abroad and at home.

Colombo.—Inactivity in the market was generally reported and spot quotations were shaded to the basis of 10c. to 11c. per pound early last week. Replacements were in fair supply and spot holdings seemed to be ample.

Cranesbill. — After months of price stability, quotations eased last week and market became 14c. to 15c. per pound with conditions favoring those with firm orders in hand. Stock replenishment has been made at advantageous prices.

Derris.—Exports of derris cuttings for planting purposes from the Netherlands Indies are prohibited under a decree published on June 30, according to a dispatch to the Department of Commerce. The report points out that the Netherlands Indies government has long been working on development of exceptionally productive strains of the plant, and the embargo is aimed particularly at planters in the Philippines who are interested in obtaining better strains of derris than have yet been developed there.

Helonias.—Because of the acquisition of new stocks at a lower primary market cost, local quotations were reduced to the basis of 55c. to 60c. per pound last week. Demand was light.

Ipecac.—While quotations were lower at $1 to $1.05 per pound for whole, the situation at the source appeared to be strengthening considerably and a definitely firmer undertone prevailed. It was generally felt that spot values would react upward when the shift in primary market conditions bring an end to local competition noted last week. Some five months ago, a presidential decree was issued in Nicaragua prohibiting under heavy fines and confiscation, the digging of ipecac roots during March, April, and May—the best collecting period, because digging is difficult in the dry season. The stated reason for this decree was a desire to conserve the supply of ipecac, which was said to be threatened with extinction. This reason has been questioned by certain Nicaraguan exporters, who say that there is no existing or threatened scarcity of the plant. These exporters have declared that the decree was designed to benefit one individual engaged in this traffic and they have alleged that gatherers who agreed not to sell the roots to anybody but the one exporter were not molested under the decree.

Rhubarb.—Late in the previous trading period, whole root was reduced to 32c. to 33c. per pound, and powder was down to 36c. to 37c. While the market was still slightly unsettled, it was felt that declines would be checked at levels close to those prevailing now; the primary market cost suggested that probability.

Skunk Cabbage. — Quotations were down to 18c. to 19c. per pound and the movement was in line with prices at which new crop has been obtainable in the primary market. Buyers were still holding off in expectation that values may work still lower.

Seeds

Anise.—Spot Spanish seed was available at 14c. to 14½c. per pound, but the market was one of firm undertones thereat. Star seed was scarce and values at 13c. to 13½c. tended upward.

Canary.—The prices at the primary markets declined and spot quotations on all varieties were down to 4.25c. to 4.40c. per pound. Trading was extremely light.

Caraway.—Lack of demand eased the market back to the basis of 6¾c. to 7c. per pound, where it was checked by the lack of further change in the cost to replace in the primary market.

Celery.—Undertones were easier and the spot as well as foreign markets were weaker and lower. Spot prices on French seed were 13¾c. to 14c. per pound, while for India seed the price was 11¾c. to 12c.

Coriander.—Purchases were made usually through successful bidding and natural seed went to consumers at 4¾c. to 5c. per pound, while the bleached was offered at 7¾c. to 8c.

Dill.—Trade looked up slightly, and the market became 8c. to 8½c. per pound for recleaned mechandise. Jobbing business was fair.

Poppy.—Selling pressure again asserted itself and quotations backed down to the basis of 10c. to 10½c. per pound for either Dutch or Polish material. Sales were within jobbing limits so far as spot business was concerned, while the quantities bought for import were less than normal size.

Spices

Cassia.—Quiet, but steady, undertones were the rule locally and the market as a whole was down to limits set by a very small requirement of prompt kind. As to futures, some fair business was done in goods to come forward.

Clove.—Prices held on spot and the movement into consumption reached limits current weekly for some time. The primary market position of the item also showed a deal of price stability.

Ginger.—African root eased again, offerings at 7¼c. to 7⅜c. per pound not being snapped up very often. Buyers' interest was not very large. Cochin, Jamaica, and Japanese roots all lacked change in price, holding reasonably steady.

Paprika.—The outlook for prompt shipments of Hungarian peppers was very poor. Nothing but some moderately hot pepper was unsold at the source. Spanish pepper was firm at the recent advances and spot offerings consisted mainly of the fair and extra fancy items.

Pepper.—Black Lampong declined to 5¼c. to 5½c. per pound and firm orders in hand might be filled at fractionally lower cost. White and red peppers held very steedy in local circles notwithstanding the fact that grinders were not in the market very often during the period under review.

Trading in black pepper futures on the New York Produce Exchange from July 23 to July 29, inclusive, comprised 229 contracts, a total of 7,694,400 pounds. Following is a price record for the week:—

	Cents per pound—		
	High.	Low.	Close.
January	5.28	5.12	5.12@5.14
March	5.33	5.31	5.22@5.23
May	5.48	5.27	5.33 sale
July	5.55	5.40	5.42@5.45
September	4.93	4.92	4.91@4.95
December	5.25	5.05	5.06@5.09

Miss Margaret Penick Engaged

The engagement of Miss Margaret Henry Penick, daughter of S. B. Penick, president of S. B. Penick & Co., botanical drugs, this city, to Phillip Evergram Nuttle, Denton, Md., has been announced. Miss Penick is a graduate of Kimberly School, Montclair, N. J., and continued her studies at Hollins College, in Virginia, and at the Boston Conservatory of Music. Mr. Nuttle was graduated from Johns Hopkins University in 1929, and is connected with the Newark, N. J., branch of the Fidelity & Deposit Company of Maryland.

Fritzsche Bros. Mexican Branch Manager Visits New York

H. Messtorff, manager of Productos Fritzsche Brothers, S. A., Mexican affiliate of Fritzsche Brothers, Inc., essential oils, flavors and perfume raw materials, this city, was a recent visitor at the company's home office.

Following the death last year of his predecessor, F.de la Garza, Mr. Messtorff took over management of the firm's Mexican business and since then has divided his time between supervision of the Mexico city office and contacting the outlying trade. During this period laboratory facilities were improved, stocks enlarged and made more diversified.

Liniment Victim Gets Award

For injuries alleged to have resulted from his taking a teaspoonful of the defendant's liniment, Mat Nidey, Mountainair, N. M., has been awarded damages of $3,909 against the W. T. Raleigh Company by Judge H. A. Hicks under a stipulation in the Denver district court. The complainant had sued for $150,000, alleging that he had taken the liniment in water for cramps with the result that his mouth was burned; three fillings in his teeth fell out; he became deaf in the right ear, and his digestive system was ruined.

What You Can Use

Various Materials That Are Suitable for Operating Purposes in Chemical Processing Industries

Fully protected by Copyright

Two-hundred-thirty-eighth Instalment

Lumbang Oil

(Continued from July 25 issue)

Driers Used with Lumbang Oil

Aluminum linoleate
Aluminum oleate
Aluminum palmitate
Aluminum resinate
Aluminum stearate
Ammonium metavanadate
Calcium linoleate
Calcium naphthenate
Calcium resinate
Calcium stearate
Cobalt acetate
Cobalt carbonate
Cobalt chloride, anhydrous
Cobalt hydrate
Cobalt japan driers
Cobalt linoleate
Cobalt naphthenate
Cobalt oxide
Cobalt resinate
Cobalt sulphate
Cobalt-lead paste
Copper erucate
Copper linoleate
Copper naphthenate
Copper oleate
Copper resinate
Lead acetate
Lead borate
Lead laurate
Lead naphthenate
Lead oleate
Lead resinate
Lead stearate
Lead tungstate
Lead-manganese resinate
Litharge with lead acetate
Magnesium oleate
Manganese acetate
Manganese borate
Manganese carbonate
Manganese dioxide
Manganese hydroxide
Manganese linoleate
Manganese naphthenate
Manpanese oleate
Manganese resinate
Manganese stearate
Manganese sulphate
Manganese tungstate
Nickel linoleate
Nickel naphthenate
Nickel resinate
Nuodex cobalt
Nuodex lead
Nuodex manganese
Oilsolate driers
Red lead
Soligen cobalt
Soligen cobalt-zinc
Soligen lead-cobalt
Soligen lead-cobalt-manganese
Soligen manganese
Soligen special CP
Soligen zinc-manganese

Solvents for Lumbang Oil

Amyl acetate
Amyl alcohol
Benzene
Butyl acetate
Butyl alcohol
Butyl butyrate
Butyl propionate
Carbon bisulphide
Chloroform
Glycol ether acetate
Diacetone alcohol
Dichloroethyl ether
Diethylene oxide
Diethyleneglycol butyl-ether
Diethyleneglycol ethyl-ether
Ether
Ethyl acetate
Ethyl alcohol
Ethylene oxide
Ethyleneglycol butyl-ether
Ethyleneglycol diethyl-ether
Ethyleneglycol ethylether
Ethyleneglycol isoamyl-ether
Ethyleneglycol isobutyl-ether
Ethyleneglycol isopropyl-ether
Ethyleneglycol methyl-ether
Isopropyl acetate
Methanol
Naphtha
Propylene oxide
Propyleneglycol isopropyl-ether
Toluene
Turpentine
Xylene

Lumiphores

Luminous Agents for Use in Paints and Otherwise

Antimony salts
Barium sulphide
Bismuth nitrate
Bismuth salts
Cadmium tungstate
Calcium sulphide
Calcium tungstate
Cerium salts
Copper salts
Erbium nitrate
Erbium salts
Ionium salts
Lead salts
Magnesium tungstate
Manganese salts
Molybdenum salts
Mercury salts
Phosphorogen
Radium bromide
Radium chloride
Radium nitrate
Silver salts
Strontium sulphides
Thorium chloride
Thorium fluoride
Thorium nitrate
Thorium salts
Uranium nitrate
Uranium salts
Uranous uranate
Uranous chloride
Vanadium nitrate

Lupuseed Oil

Solvents for Lupuseed Oil

Acetic acid, glacial
Alcohol
Benzene
Ether
Carbon bisulphide
Chloroform
Petroleum ether

Maggots

Reagents for Destroying Maggots

Acetic acid
Acetone
Alcohol
Aliphatic polythiocyanates
Alkali-earth arsenates
Alkali-sludge sulphonates
Alum
Ammonium carbonate
Ammonium dithiocarbamate
Ammonium hydroxide
Ammonium salts of dithiocarbamate
Ammonium thiosulphate
Animal fat soap
Aralkyl esters
Aralkyl ethers
Arsenates
Arsenic acid
Arsenic pentoxide
Arsenic sulphide
Arsenic trioxide
Arsenic trisulphide
Arsenous acid
Barium hydrosulphide
Barium hydrosulphide with calcium oxide
Benzene
Benzoic acid
Borax
Bordeaux mixture
Bordow
Calcium soap
Carbolic acid
Carbolineum
Carbon disulphide
Carbon dioxide
Carbon monoxide
Carbon tetrachloride
Chlorine
Chlorinated lime
Citronella oil
Coaltar
Coaltar derivatives
Coaltar oils
Creosote oil
Creasote oil emulsions
Cresol
Cresol soap
Cresylic acid
Deo base
Derris root
Fish oil soap
Formaldehyde
Formalin
Furfural
Gas
Gas lime
Gasoline
Hydrocarbons
Inorganic poisons
Insect flowers
Kerosene
Kerosene emulsions
Kerosene pyrethrum extract in soap emulsions
Lactic acid
Lethane
Lime
Lime-sulphur compounds
Mineral oil emulsions
Mineral oil soap
Mustard oil
Nicotine
Organic poisons
Paraformaldehyde
Paris green
Petroleum
Petroleum oil emulsions
Phenol
Phenol emulsions
Pyrethol 20
Pyrethrum
Pyrethrum and cresylic acid in skim milk emulsion
Rhodanic acid
Rhodanine
Rotenone
Selocide
Sludge sulphonates
Sludge sulphonic acids
Serrid
Serrid optone
Serrid rotenone
Soaps
Soap-sludge sulphonates
Sodium arsenate
Sodium arsenite
Sodium borate
Sodium cyanide
Sodium fluoride
Sodium fluosilicate
Sodium permanganate
Spraysene
Sulphur and arsenical compounds
Tar acids
Thio acids and derivatives
Thiocresols
Thiophenols
Thioureas
Turpentine
Xylene
Woodtar oils

Malic Acid

Catalysts Used in Manufacture of Malic Acid

Brass
Chromium oxide
Copper
Copper oxide
Iron
Iron vanadate
Molybdenum compounds
Silver chromate
Vanadium oxide

Solvents for Malic Acid

Alcohol (slightly)
Ether (slightly)
Water

Essential Oils, Aromatic Chemicals

Western Dealers Raise Peppermint Price to Farmers and Spot Follows—California Orange Decline Extended—Lack Of Demand Brings Drop in Clove Quotation

Reports concerning business in essential oils and aromatic chemicals showed that trade was very quiet. Almost without exception, suppliers of these entities indicated that sales were on the low side. Buyers showed reserve and in placing orders rarely went farther ahead than the nearby future in making committments. While prices in general were fairly steady, there were numerous soft spots that made the strength reported in peppermint all the more outstanding.

Middlewestern dealers were buying new crop oil and last week advanced substantially the prices they would pay the farmer-producers. This naturally raised the cost to dealers on spot and the local resale price was advanced and the market reported to be generally on the strong side.

Citrous oils were in disappointing request. Domestic orange was pressured strongly for sale at prices which were reduced substantially. So-called independent producers in California answered the price reduction of the largest maker by reducing their quotations early last week. African oil was very cheap for import. West India orange was an exception to the general market situation, that item advancing at the source because of small outlet. Lime oil was lower on competition. Lacked change, mainly because there was little competition; California oil continued to be available at prices far under the firm Italian article.

Lack of demand brought a decline in clove oil prices. Lower quotations were also noted on cajeput, cubeb, hemlock, petitgrain, and artificial sassafras.

Price Changes

Prices were changed during the past week as follows:—

Advanced

Orange, West Indian, 5c. per lb.
Peppermint, natural, 15c. per lb.
redistilled, 15c. per lb.

Reduced

Cajeput, 2c. per lb.
Clove, 5c. per lb.
Cubeb, 10c. per lb.
Hemlock, 20c. per lb.
Lime, expressed, 50c. per lb.
distilled, 50c. per lb.
Orange, California, 20c. per lb.
Petitgrain, Paraguay, 10c. per lb.
Sassafras, artificial, 1c. per lb.

Comparative Values

Index numbers compiled from twenty typical essential oils on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
70.5	70.3	70.3	82.4

Market news that may have developed after this report was sent to press will be found on page 4.

Essential Oils

Amyris.—Stability prevailed in the market so far as price was concerned. As to demand, it was very narrow, resulted in small volume, yet failed to have adverse effect on prevailing quotations. Stocks were very small and poorly distributed.

Angelica.—The outlook favored fairly firm prices on new crop material in Europe. Fair sized stocks on the spot were held firmly as to price and were the subject of moderate consuming demand.

Anise.—Quotations in the open market were 85c. to 90c. per pound but there was reason to believe that firm orders in hand could be placed at, or close to, 80c. per pound. Lack of sustained demand has served to turn some quarters into more competitive channels.

Apricot.—Production cost seemed likely to hold up and hence those with spot stocks showed little disposition to seek substantial reduction save as business could be placed at full prices. The call was conservative in size last week.

Bergamot.—Business was quiet. Prices remained firm regardless of the absence of demand exceeding that of moderate size. For the most part, the market call was irregular from day to day. Prices in Italy remained firm.

Bois de Rose.—Request was of the sort current for some time; namely, covering prompt requirements of buyers in practically all instances and but rarely protecting those of the more distant future. Undertones in the market were steady and prices held very well in line with the replacement position.

Cajeput.—The market was slightly lower at 45c. to 50c. per pound for technical, and 48c. to 50c. for the USP article. Not all sellers met the minimum figure. All agreed, however, that the movement into consumption was light enough to encourage competition to develop locally.

Camphor.—Replacement cost held steadily and hence the spot market lacked elements sufficiently forceful to bring about a shift in local quotations. The market was generally quiet but always steady in undertone.

Cananga.—The easier tone that produced lower prices in the not far distant past was present, but to a lesser degree last week. Values were steadier on the whole and this position was aided by the presence of a demand that was an improvement over recent request.

Capsicum (Oleoresin).—With a fair demand prevailing on spot, prices were the subject of added stability by reason of the well maintained and comparatively high price of raw material.

Cassia.—Prices held reasonably steady, but some unsettlement was noted in the market and conditions appeared to be moving in favor of the manufacturing consumers. Also, buyers' activity was less than normal and that tended to keep the market very quiet as well as slightly easier in undertone.

Cedarleaf.—Further change in open quotations failed to develop last week, but conditions favored buyers and the tendency of values was to yield to reasonable bids when submitted. Demand was light to moderate, but it was also steady for jobbing lots.

Celery.—Spot prices ranged $7.50 to $14.50 per pound. The price to be paid depended on seller, variety, and quality of material in request. Trade continued to be slack and variable.

Citronella.—Forward business was fair in volume and fairly well maintained prices were paid in the Far East. Spot business was moderate and irregular, but prices were generally steady.

Clove.—Prices were lower at 95c. per pound in drums, and 98c. per pound in cans. No change in production cost has taken place and the decline could be attributed almost solely to the fact that demand was disappointingly small and restricted.

Cubeb.—Quotations were lower at $2.50 to $2.75 per pound, ruling according to seller and quantity. Business was of jobbing sort for the most part. Ample stocks were available and were in some instances produced from lower cost raw material.

Eucalyptus.—Competition was fairly keen, especially when it came to sales to the manufacturers of eucalyptol. Open quotations for spot goods lacked change, but they were easy to the point of unsettlement.

Geranium.—Slightly more selling was noted locally. While the lots were not usually substantial in size they were numerous enough to build a fair sized volume by the close of the period. Quotations remained on the low basis prevailing for some weeks.

Ginger.—More stability prevailed in the price position of this material. Further decline failed to come and most sellers were disposed to reject business offered under $5.75 per pound. Not all sellers would take orders at that figure. However, raw material prices were still low and easy and naturally were influential on the market for oil.

Hemlock.—Spot quotations were 75c. to $1 per pound and offerings of fair size were available thereat. Interest in offerings was conservative and served to cover not more than prompt needs, usually.

Juniper.—Out movement to consumers was up to the recently conservative level and prices continued to be steady. Replacement cost was well maintained and that tended to keep local values well stabilized in most quarters.

Lemon.—The market was not very active from a consuming point of view. The season has not been average thus far and yet business in the main has been fair. Italian oil remained high in price compared with the California article. The latter has moved very well and brought substantial savings to buyers.

Lime.—Prices were lower at $4.25 to $5 per pound for distilled, and $7.50 to $9 for expressed material. Competition has been keen, especially in view of the ample offerings of Mexican oil on this market. Latest reports from Mexico, however, show that exports to the United States aggregated 5,210 pounds in June, comparing with 5,488 pounds in June a year ago.

Orange.—West Indian oil was stronger and slightly higher for shipment. Spot was quoted at $2 to $2.05 per pound.

Current prices on essential oils and aromatic chemicals are given in the alphabetical list of prices beginning on page 7

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California expressed oil was weak and under sharp competition. Prices were lower at 75c. to $1 per pound, according to seller, and it was intimated on spot that the inside could be shaded. African oil was very cheap for shipment and spots at 90c. per pound were easy. Italian oil was $2.25 to $3.25 per pound but found a narrow outlet.

Peppermint.—Prices on natural oil were advanced to $2.30 to $2.55 per pound to bring the market into line with higher prices which middlewestern dealers have established as the result of raising their prices payable to farmers producing new crop oil. The redistilled article locally was $2.55 to $2.80 per pound. Basically, the primary market position was considered to be close to strong because the crop prospect is none too encouraging.

Petitgrain.—Shading of prices brought the market down to 90c. to $1 per pound as a competitive figure. Reports from Paraguay indicated that production was contingent on the supply of labor, the supply depending on activity in other fields of work. Wages paid the oil workers are low. Plants are small, one of 1,000 kilos capacity being considered large. Distillation is from March through October.

Aromatic Chemicals

Acetaldehyde.—Not a great deal of interest beyond that involving jobbing lots was noted last week and the market as a whole was a very quiet affair. However, prices continued to be steady.

Acetophenone.—Small lots were in more frequent request but the market as a whole was routine and comprised of jobbing requirements practically throughout the entire period. Values were well maintained.

Amyl Salicylate.—Leading suppliers reported a market of steady undertones, moderate size, and well held quotations throughout the past week. Stocks available were ample for all probable needs.

Anethol.—Failure of the raw material to sustain the advance noted some time back has relieved this item from the pressure that at one time suggested possible advance in quotations. The general situation has become quieter and easier with prices remaining unchanged.

Citral.—Fair sized stocks were available on the spot and the market as a whole was favorable for buyers with substantial needs. Quotations lacked open change but they seemed to coast on a market of moderately easy undertones.

Diphenyl Oxide.—Business was routine and equalled recent volume. On the whole, it was a conservative movement that did little to affect the general price position which, in the main, appeared to be reasonably steady.

Eucalyptol.—With raw material prices being highly favorable because of competitive conditions, this item was fairly easy in price and slightly unsettled because of the lack of larger demand.

Eugenol.—Raw material prices were reduced last week, mainly because of poor demand for the item. The derived product remained steady in price because of the lack of competitive pressure on this market.

Heliotropin.—Plentiful stocks were available but orders were not numerous and hence the market was not more than steady, as quoted. Buyers have kept purchases down to actual needs for some time.

Hydroxy Citronellal.—All qualities of this merchandise were in steady price position and moved in fair sized quantities during the past week. However, it was apparent that not more than nearby needs were being covered.

Obituaries

—*Continued from page* 29

Dr. Herty conducted research which resulted in a complete demonstration of the suitability of Southern pine of all species for white paper manufacture. The overwhelming results of this research and the personality and enthusiasm of Dr. Charles Herty induced capital to sponsor the great paper industry which is rapidly growing in the South. The first mill for the manufacture of newsprint from Southern pine is now under way in Texas, and I well recall at the meeting of Texas publishers and capitalists the following comment by one of the Texas publishers:—'Why son, we don't know much about sulphite and heart-wood and the like, but we do know men, particularly Doc Herty, and we're just bettin' our money on Doc Herty and his judgment.' Dr. Herty's answer was this:—'I don't think of this thing in terms of dollars and cents. The development of this industry is going to mean the elimination of one-room houses for families, better food for those who are living on cornbread and occasional meat, better clothes for those who go in rags today. On the great coastal plain, a great mass of the population in the midst of the finest paper material have for generations endured the bitterest sort of poverty. Use of Southern pine will change this.' I believe his own words express better than anything I can add the sterling qualities of this great man. To know him was to love him. Dr. Herty's life and work has made America a better place in which to live."

E. M. Allen, president of the Manufacturing Chemists Association of the United States:—"The passing on of Dr. Charles H. Herty came as a shock to the entire chemical world, as well as to those who had the pleasure of knowing him personally. Dr. Herty's work toward making possible the use of Southern pine as a source of cellulosic raw material by the elimination of its resin will be more appreciated in the next decade than it is at the present time. His achievement in this line when he made newsprint out of green, young pines was the result of his exhaustive application, his vast knowledge of cellulose, and his general ability as a research chemist. His work should be an inspiration to all young chemists. My own personal loss cannot be described, and I have never ceased to regret that the quail hunt which Dr. Herty and I always talked about never was realized."

Ralph E. Dorland, treasurer of the Synthetic Organic Chemical Manufacturers Association:—"The passing of Dr. Charles H. Herty will come as a distinct shock to his many friends and as a fundamental loss to the chemical industry of this country. His entire life has been devoted to one single purpose, namely, the independence of the chemical industry in the United States. No matter in what field his efforts were directed, they all pointed to this one objective. As a research chemist, a production chemist, an educator, an editor, a lecturer and speaker, and as the original president of the Synthetic Organic Chemical Manufacturers' Association, he continually worked toward American independence in chemistry. From long association with Dr. Herty in the affairs of the Synthetic Organic Chemical Manufacturers' Association, I was privileged to know him personally and will always cherish his memory."

H. E. Howe, editor of *Industrial and Engineering Chemistry*:—"Dr. Herty's greatest contributions, in my opinion, were those made as a propagandist for science and for the chemical industry. He made the most of the opportunity which was his immediately after the World War to do much for the chemical industry, particularly in relation to dyestuffs. He performed yeoman service as the first full-time editor of *Industrial and Engineering Chemistry* and thereafter lost no opportunity to make clear, not only to industrialists, but to the general public the importance of science, both pure and applied, to the individual, whatever his capacity. As a public speaker he was informative and held the attention of his audiences, not only by what he said, but by his manner of presentation and his fine humor. Thus he was able to continue to interest all classes of the public in what science is doing and might do for them. To record contributions of this sort would take much space. Many a group will long remember the valuable messages he brought to them, and his constructive work as a propagandist for science. All this is quite apart and in addition to his accomplishments as a scientist in his own right."

Charles C. Concannon, chief of the Chemical Division, Bureau of Foreign and Domestic Commerce, United States Department of Commerce:—"The death of Charles Holmes Herty is, for the Chemical Division and for myself, the passing of a great leader and a great friend. No one more so than Dr. Herty had a better appreciation of the constructive service which government might render to business. Insofar as the Chemical Division has been successful in serving American business, no one more than I knows the important part played by our departed friend in organizing the Chemical Division's first beginnings. During the sixteen years of our official existence he was our guide, counselor, and friend, and he has ever remained our good example."

C. F. Speh, chief of the Naval Stores Research Division, Bureau of Chemsitry and Soils, United States Department of Agriculture:—"Only the future can fully measure the true value of the contribution of Dr. Charles H. Herty to the economic development of the South. An estimate at this time must necessarily fall far short of the real value to the immense number of people—land and timber owners and workers—of his unwavering patience in focusing public and financial attention on the present and potential timber resources of the South. The naval stores industry will always be his debtor because of his insistence on the adoption of the cup and gutter system by the American naval stores industry."

Hugh M. Clarke

Hugh M. Clarke, first vice-president of the Armstrong Cork Company, Lancaster, Pa., died in a hospital in that city July 27, following a long illness. He was forty-six years old.

Born in Pittsburgh, Mr. Clarke has been associated with the Armstrong company for twenty-five years, serving since 1913, with the exception of his service in the World War as captain of the 311th Field Artillery, Seventy-ninth Division. He was transferred from Pittsburgh to the main office of the Armstrong organization in 1920, and was elected first vice-president in 1934. Surviving are his wife and two daughters.

Major A.V. Dalrymple

Major A. V. Dalrymple, the last director of the Federal Bureau of Prohibition, died July 25 in a Washington, D. C., hospital of a crushed chest and other injuries sustained in an automobile accident July 23. He was sixty-two years of age.

Born in Texas, Major Dalyrymple graduated from Valparaiso College, and completed the foreign trade course at Georgetown University. He was appointed to serve as director of the prohibition bureau in March, 1933, but four months later the bureau was discontinued. He previously had been in charge of narcotic law enforcement in the Philippine Islands, and has been Federal surpervising Federal prohibition agent for the central division, comprising the States of Illinois, Indiana, Michigan, Wisconsin, Iowa and Minnesota. Subsequent to his giving up the position of director of prohibition bureau, he was for a while assistant to Attorney General Homer S. Cummings. He was a veteran of the Spanish-American War and served with the American Expeditionary Forces in the World War. Surviving are his widow, two daughters and two sons.

William H. Muth

William H. Muth, a member of the firm of Muth Brothers & Co., wholesale druggist, Baltimore, died July 28 in a hospital in that city, where he had been a patient for about five weeks.

Mr. Muth was actively engaged in the operation of the firm's business in association with his brother, Edward S. Muth, and his cousin, Charles P. Muth. Although his duties were largely confined within the plant, he had many friends in the drug trade. He left a widow, two daughters, and six sons. one of whom, William H. Muth, jr., is connected with the wholesale drug firm.

Clyde Woolson

Clyde Woolson, a divisional director for the Periseal Company, this city, died July 27 in his home in White Plains, N. Y., following a heart attack. He was sixty-four years old.

For a number of years Mr. Woolson was vice-president of the Perry-Robinson Corporation, an affiliate of the Periseal organization, and for the past seven years has been a divisional director of the Periseal firm. He was active in various trade associations and for several years past has been on the board of governors of the Mandis Society. Surviving are his wife, a daughter and two sisters.

John Henry Bell, for many years on the sales staff of the H. B. Gilpin Company, wholesale druggist, Baltimore, died July 24. He was seventy-nine years of age. Mr. Bell was identified with the drug trade for two generations, having started originally with Thomson & Muth Company, which subsequently became Gilpin, Langdon & Co., and finally the H. B. Gilpin Company.

Albert F. Hochwalt, father of Dr. Carroll A. Hochwalt, director of the Thomas & Hochwalt Laboratories division of the Monsanto Chemical Company, died in Dayton, Ohio, July 24. He was sixty-eight years old. Mr. Hochwalt was a graduate of the University of Dayton and was a writer and publisher. He was an authority on bird dogs and was the author of a number of books on these breeds and on other aspects of the relations of a man and his dog.

James R. Jackson, chief engineer of the tanker, "Spencer Kellogg," of the Kellogg Steamship Corporation, a subsidiary of Spencer Kellogg & Sons, Inc., Buffalo, died unexpectedly from a heart attack July 28. He was fifty-five years of age.

U.S. Revenue Returns Show Decrease in June

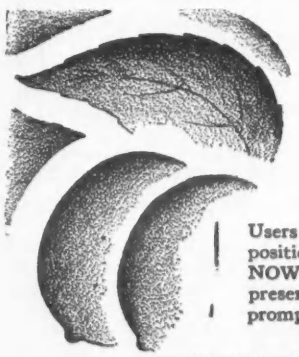
Collections of excise taxes by the Bureau of Internal Revenue, Washington, for June, 1938, compared with 1937 as follows:—

Taxes Collected

	June 1938.	June 1937.
Chewing gum	$94,335.15	$89,931.86
Crude petroleum, processed, etc	72,100.71	82,210.78
Coconut, etc., oils, processed	1,933,691.04	2,744,137.08
Distilled spirits, domestic, excise tax $2 per gallon	20,499,080.59	16,530,763.86
Distilled spirits, imported, excise tax $2 per gallon	1,868,544.41	2,612,013.64
Gasoline	15,543,571.81	17,561,468.61
Lubricating oils	3,107,636.70	2,920,212.00
Matches	126,037.63	1,114,606.13
Narcotics, including special taxes	214,347.43	206,168.27
Oleomargarin, excise taxes	66,134.00	69,443.20
Oleomargarin, special taxes	304,699.86	311,483.66
Toilet preparations—		
At 5 percent	486,922.24	447,447.19
At 10 percent	699,984.99	1,239,676.19
Transportation of oil by pipeline	1,065,283.00	960,554.39
Total internal revenue	$747,295,470.10	$827,482,523.59

Quantities Taxed

	June 1938.	June 1937.
Distilled spirits, domestic, tax gallons	10,242,758	8,244,601
Distilled spirits, imported, tax gallons	934,272	1,306,008
Distilled spirits, rectified, proof gallons	2,587,401	2,437,378
Oleomargarin, colored, pounds	42,902	39,300
Oleomargarin, uncolored	24,708,840	26,205,280



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Petroleum Solvents, Lubricants, Fuels

Midcontinent Refiners of Solvents Still Divided on Prices Ideas
Fully Refined Paraffin Unchanged—Crude Oil Production Shows Small Gain

The mixed price position of the Midcontinent tankcar market for petroleum solvents and naphthas was unchanged over last week. Refiners did not follow the lead of one of their number who raised prices ¼c. per gallon a week ago and a two-price market existed throughout the week. Demands continued very spotty, which was possibly the reason why most of the Midcontinent refiners adhered to the lower prices. Eastern refiners and marketers were watching the situation in Group 3 but have not altered their own prices. Fully refined paraffin wax prices held without further change. The prices are now at their lowest point in some time and the fully refined grades have been working in a diagonally opposite direction to crude scale which was quite firm and tending toward a stronger position last week.

The Midcontinent gasoline market showed an improved tone but conditions in the East were soft. Tankcar prices were lowered at New England seaboard points over the preceding weekend. Kerosene and Diesel fuel were higher here.

The daily average production of crude oil in United States for the week ended July 23 was 3,349,050 barrels, an increase of 5,950 barrels over the preceding week, according to the estimate of the American Petroleum Institute. The average for four weeks ended July 23 was 3,261,750 barrels and the average at this time a year ago was 3,576,400 barrels. Runs of crude oil to stills for the week ended July 23 were reported to the A.P.I. as having averaged 2,872,000 barrels for 77.6 percent of refinery operation, according to reports from refiners controlling 89 percent of the nation's refinery capacity. An additional 308,000 barrels was estimated to have been sent to stills unreported for a total daily average of 3,180,000 barrels against 3,195,000 barrels in the preceding week. The July 1937 average was 3,380,000 barrels. Crude oil stocks July 16 were 289,312,000 barrels, according to the Bureau of Mines.

Solvents and Diluents

The Midcontinent bulk market's position did not change over the week. The one seller who raised tankcar prices a week ago continued to post the advanced prices last week, but other refiners have not followed the advance as yet. The movement in the Midcontinent district did not alter the position of prices at Eastern refineries and the tankwagon markets were unchanged in the East and middle West. Buying interest continued very spotty, although better than it was a month ago.

Cleaners' Naphthas.—One Midcontinent producer continued to quote the Group 3 tankcar market at 6⅝c. per gallon, but other sellers adhered to the 6⅜c. per gallon figure that has been in force for some time.

Lacquer Diluent.—The position of the market did not change over the week with one Midcontinent seller quoting ¼c. per gallon higher than the others who are still doing business at 7⅜c. per gallon, for tankcar quantities, f.o.b. Group 3.

Petroleum Thinner. — Eastern bulk market prices were unaffected by the advance made in the Midcontinent district by one of the sellers there. The Midcontinent position was unchanged from a week ago when one supplier advanced the price for tankcars to 5⅝c. per gallon against a 5⅜c. per gallon price quoted by other suppliers.

Rubber Solvents.—Midcontinent market prices on tankcar lots still ranged from 6⅜c. to 6⅝c. per gallon, f.o.b. Group 3.

Stoddard Solvent.—Tankcar prices in the Midcontinent area varied according to seller. One factor quoted 6⅛c. per gallon while others continued to offer at the long standing price of 5⅞c. per gallon. The Eastern bulk market was unchanged.

V. M. & P. Naphthas.—Consuming operations were quite spotty last week. The appearance of the market was unchanged. In the Midcontient area most sellers continued to quote tankcars at 6⅜c. per gallon while one supplier posted a 6⅝c. per gallon price.

Markets at Other Centers

Chicago, July 28.—Continued quiet has been prevailing in the petroleum solvents and diluents market. Buyers are anxious to over-buy currently. Paint trade purchases lack snap. Inquiries are reported as being fairly good. Ruling prices in tankcar lots except as noted are (Tankcar prices f.o.b. Group 3 Oklahoma):—Blending naphtha, 4½c. to 4¾c. per gallon; cleaners' naphtha, 6⅜c. to 6½c., tankcar; 17.5c., tankwagon; petroleum spirits, 5⅜c. to 5½c., tankcar; 16.5c., tankwagon; lacquer diluent, 7⅜c. to 7½c.; rubber solvent, 6⅜c. to 6½c.; Stoddard solvent, 5⅞c. to 6c., tankcar; 16.2c., tankwagon; v.m. & p. naphtha, 6⅜c. to 6½c., tankcar; 16.5c., tankwagon.

Tulsa, July 28.—Although the movement of solvents and naphthas is still light the market has a stronger tone as a result of one seller advancing tankcar quotations ¼c. per gallon last week. Stoddard was 5⅞c. to 6⅛c. per gallon.

Lighter Fractions

Petroleum hydrocarbons in the light gaseous solvents class continued in very routine fashion. Industrial interest in the purchase of supplies has been spotty. According to the latest reports from the producers, prices had not undergone any change.

Butanes.—The market did not contain much for comment last week. Things were generally routine and the price continued at the long standing basis of 3¾c. per gallon for tankcars, f.o.b. Group 3.

Heptanes.—The schedule continued at the basis of 8½c. per gallon for mixed material and 9½c. per gallon for the normal grade both in tankcar quantities, f.o.b Group 3.

Octanes. — This mixture continued without change of position. According to latest reports, the demand side of the market was quite spotty.

Petrolatums and Waxes

White Mineral Oils.—U.S.P. oils moved in very slow fashion. There is very little interest in the market during the Summer months. Sellers continued to post schedule prices but there has been a good deal of price cutting reported in the market. Some sales have been reported at 2c. to 3c. per gallon below the schedule.

Paraffin Waxes.—The fully refined wax price held without further reduction from the prices that were established July 21. The ¼c. to 0.40c. per pound reduction that took place at that time placed the market at its lowest level in recent years. As reported a week ago the Pacific Coast market is very competitive and the large refiners were not quoting on West Coast business except on direct application. Scale wax prices continued firm. The scale market was quoted at 2¼c. to 2.35c. per pound.

CHICAGO, July 28.—The refined wax market is somewhat easy in tone. Buying has been along not very ambitious lines. Most purchases are of such a nature as not to involve tying up purchasers' facilities over a long term.

TULSA, July 28.—A heavy movement of waxes occurred this week with prices very strong at 2¼c. to 2.35c. for 124-26 American crude with most of the trading at the higher price.

Petrolatum.—The carload prices continued in a firm and unchanged position. As yet, the l.c.l. prices have not reflected the reductions made in the car lot prices of some weeks back. The demands of the market were quiet.

Fuels and Lubricants

The bulk gasoline market continued in a soft position at Eastern refinery points. Prices for tankcar lots were lowered at New England seaboard points over the preceding week-end. Retail prices were still marked with scattered weak points. A further reduction in the nation's gasoline stocks and an improved tone in the Midcontinent market position were the only bright spots last week. Kerosene was advanced here and Diesel fuel also went up. Pennsylvania bright stocks were higher also.

Tankwagon Price Changes

DETROIT.—Principal marketers have reduced prices on gasoline at Detroit as follows:—Dealer third-grade, 1.8 c.; regular and premium grades, both dealer and tankwagon, 1c. per gallon.

Market Conditions

Gasoline.—Tankcar gasoline prices in New England declined ¼c. per gallon over the preceding week-end but the New York market's position was unchanged. Posted prices here continued at 7¼c. per gallon for the 60-65 octane and 7½c. per gallon for higher octane, in bulk, at refinery. The "going" market was substantially under these figures however and 6¾c. per gallon was an easy figure to work on the 60-65 material. The retail market continued as the scene of scattered outbreaks in price. The Midcontinent market's position had a little firmer tone last week. Gasoline stocks continued sharply downward according to the latest A.P.I. report which placed the stocks on July 23 at 76,366,000 barrels against 78,721,000 barrels in the preceding week. This was a new low point for the season and compared with 71,619,000 barrels at this time a year ago.

Kerosene.—Leading refiners in the local bulk market advanced tankcar prices ½c. per gallon last week. The price for 41-43 water white material is now 4¾c. per gallon, f.o.b. refinery. According to reports around the market, the previous spread between the Gulf price and the North Atlantic price had been too narrow.

Fuel and Gas Oils.—Accompanying the increase in kerosene prices, leading refiners of Deisel oil raised prices 10c. per barrel in New York harbor, Monday. The new Diesel fuel price is $1.75 per barrel. A similar increase was made at Boston. There was no change at other middle Atlantic or South Atlantic ports.

Lubricating Oils. — Pennsylvania bright stocks showed some sign of emerging from its abnormally low price strata. Refiners advanced their prices to 17c. per gallon, including tax, which

Outputs and Quotas

A comparison of Bureau of Mines calculations for July production, State allowable quotas where they exist and the American Petroleum Institute's estimate for crude production for the week ended July 23 follows:—

	*B. of M. Dept. of Int. calculations.	State allowable.	Estimated output.
Oklahoma ..	518,400	428,000	434,300
Kansas	172,300	165,000	157,700
Texas	1,360,300	†1,625,023	1,394,800
Louisiana ...	260,600	249,725	265,300
Arkansas ...	51,000	.....	58,500
Eastern	149,700	.....	146,450
Michigan ...	56,400	.....	52,250
Wyoming ...	55,500	.....	58,500
Montana	13,300	.....	13,300
Colorado	5,200	.....	3,600
New Mexico.	112,900	101,600	101,350
California ..	642,300	‡620,000	663,300
Totals	3,398,100	.....	3,349,050

* These are Bureau of Mines' calculations of the demand for domestic crude oil based upon certain premises outlined in its detailed forecast for the month of July. As demand may be supplied either from stocks or from new production, contemplated withdrawals from crude oil stocks must be deducted from the Bureau's estimate of demand to determine the amount of new crude oil to be produced.

† Effective July 18. Sunday shut-downs continued through July.

‡ Recommendation of Central Committee of California Oil Producers.

The State of the Petroleum Market

There were no changes in crude oil prices last week. Gasoline prices were lower at New England seaboard bulk points.

	July 30	July 23	Last Year
Crude petroleum prices at well (average for ten fields) per barrel.....	$1.26	$1.26	$1.399
Gasoline prices at refineries (at four refining centers) per gallon	.050625	.050625	.056875

Current prices on petroleum and its products are given in the alphabetical list of prices beginning on page 7

★ STARLIGHT PETROLATUM ★
Refined in all grades for over 45 years
STARLIGHT REFINING COMPANY Karns City, Pa.

SHERWOOD'S WHITE OILS
GUARANTEED QUALITY — ALL GRADES
SHERWOOD PETROLEUM COMPANY, INC.
REFINERY — WARREN, PA. MAIN OFFICE — BUSH TERMINAL, BROOKLYN, N. Y.

PETROLATUM
Your Inquiries Are Invited
CLARENDON REFINING CO. Clarendon, Pa.

NEUTROLEUM
ALPHA
GAMMA
MAKES BAD ODORS VANISH!
A few drops of NEUTROLEUM will neutralize instantly the most offensive odors. Originally introduced for use in fly sprays and petroleum-base preparations, it is now proving its effectiveness in hundreds of totally different technical products. Its cost is negligible; its value immeasurable. If your product has a sales-retarding scent you can free it of this handicap. Investigate NEUTROLEUM.
FRITZSCHE BROTHERS, Inc.
PORT AUTHORITY COMMERCE BLDG., 76 NINTH AVENUE, NEW YORK, N. Y.
BRANCH STOCKS
BOSTON CHICAGO LOS ANGELES ST. LOUIS TORONTO, CANADA MEXICO, D. F.
FACTORIES AT CLIFTON, N. J. AND SEILLANS (VAR) FRANCE

Petroleum Production—Motor Fuel Stocks

	Barrels	
	1938 Jan. 1-July 30	1937 Jan. 1-July 30
Commercial crude oil production	698,762,000	717,583,000
	Week ended July 30, 1938	Week ended July 31, 1937
Daily average production	3,337,300	3,566,100
	Week ended July 23, 1938	Week ended July 16, 1938
Estimated motor fuel stock total	76,366,000	78,721,000
Estimated finished motor fuel stock at refineries	42,506,000	44,060,000

was a boost of 1c. per gallon. Even at the advanced basis, the market is abnormally low for this time of the season. Neutrals were a little firmer in tone but were not actually advanced.

Markets at Other Centers

Tulsa, July 28.—The beginning of an important buying movement in natural gasoline apparently got under way this week as refiners in the Gulf coast area of Texas started to bid for the first time in several months. These refiners had been practically out of the market for some time. Now, they are looking around to fill their requirements for the Fall season. As a result of this buying the Texas quotations have again been established on a parity with Oklahoma of 3c. for the 26-70 product.

Although the new buying wave has not become pronounced it is believed in the trade that as the Fall buying gains momentum within the next few weeks, the quotations in Texas will again be made on a premium basis over Oklahoma. In the latter market the buying is slow but the 12 pound material is being moved fairly well in small quantities to the jobber trade. The refiners requirements do not appear large as yet in the Oklahoma market.

In the motor fuel market, U. S. motor which was subject to a depressing influence caused by the dumping of a few cars on the market last week, has regained a position of strength and the third grade low octane is again in a very firm position at 4½c. per gallon. The other grades not subject to large offerings are also very strong. This is ½c. to ¼c. higher than a week ago but unchanged from the month's high.

The wax market has reached the best point of the year with inquiries heaviest than for some time. The 124-26 is selling at 2¼c. with movement very heavy for domestic and export consumption.

The demand for gas oils and distillates subsided somewhat this week, but prices retain the strong position established last week when large inquiries came into the market.

GASOLINE.—U. S. motor is in heavy demand at 4½c. per gallon. The 63-66 octane is 4¾c. to 4⅞c. per gallon; the 67-69 4⅞c. to 5⅛c. per gallon; and the 70-72 top grade from 5⅛c. to 5⅜c. per gallon.

KEROSENE.—The 41-43 grade is still available at 4c. per gallon for resale although contract prices range up to 4¼c. The 42-44 is from 4¼c. to 4½c. per gallon on contract with spot resale trading at 4c. to 4⅛c. per gallon.

NATURAL GASOLINE. — The 26-70 pound material was quoted alike at 3c. per gallon in Texas and Oklahoma with the 18 pound at 3⅜c. to 3½c. per gallon and the 12 pound at 4½c. per gallon.

Chicago, July 28.—The tankcar gasoline market is holding fairly steady, augmented by the fact that consumption of gasoline on the whole is substantial and probably not far below record-breaking levels. Contract orders are reaching extensive proportions. Spot market business is erratic and spotty. In the meantime prices are little changed. Kerosene, however, has eased off. Buying is slower. Tractor fuel is still moving well. The domestic fuel oils are now coming into better call. Distributors are interested in making sure of Winter's supplies. Heavy industrial oils are showing a better tone. Lubricating oils are firmer.

GASOLINE.—Low octane motor, 4¾c. to 4⅞c. per gallon; 63-66 octane motor, 5c. to 5⅛c.; 67-69 octane motor, 5⅛c. to 5⅜c.; 70-72 octane motor, 5½c. to 5⅝c.; 60-62, 400, 4¾c. to 4⅞c.; 64-66, 375, 4¾c. to 5c.; 68-70, 360, 5c. to 5¼c.

KEROSENE.—42-44, water white, 4⅜c. to 4⅝c. per gallon; 41-43, water white, 4⅛c. to 4⅜c.

FURNACE OILS.—Range oil, 3⅞c. to 4⅛c. per gallon; No. 1 prime, 3¾c. to 4c.; No. 1 straw, 3⅝c. to 3¾c.; No. 2 straw, 3½c. to 3¾c.; No. 2 dark, 3⅜c. to 3½c.; No. 3, 3¼c. to 3½c.; 32-36, dark, industrial gas oil, 2¾c. to 3c.

FUEL OILS.—No. 4, $1 to $1.10 per barrel; No. 5, 70c. to 80c.; No. 6, 60c. to 70c.

New Orleans, July 26.—Firmness was again the keynote of the domestic market during the past week, with all prices remaining stationary. Foreign inquiries and exports were good. U. S. motor gasoline was quoted at 6⅛c.; U. S. motor below 62 octane at 6⅛c.; 63-67 octane at 6⅜c., and 68-70 octane at 6¾c.—all prices being on a per gallon basis at refinery.

Kerosene continued to be quoted at 7⅝c. per gallon at refinery.

Bunker C fuel oil was quoted at 75c. per barrel at terminal and 80c. per barrel delivered alongside, while industrial plants were quoted at the rate of $1.46 per barrel, delivered.

Asphalt Production in U.S. Shows Increase for 1937

Asphalt demand, domestic and foreign, was 2½ percent larger in 1937 than in 1936. To meet an increase of 87,046 short tons in domestic demand and of 18,254 tons in export demand, petroleum refineries in the United States enlarged their output of asphalt 294,302 tons, from 4,065,622 tons in 1936 to 4,359,924 tons in 1937, according to the Bureau of Mines. At the same time imports of lake asphalt, grahamite, and petroleum asphalt apparently increased 69,785 tons in 1937 over 1936. In consequence stocks of asphalt at refineries were 193,247 tons larger on December 31, 1937, than on December 31, 1936, in contrast with a reduction of 65,540 tons in inventories during 1936.

The indicated domestic demand for petroleum asphalt, including small quantities of Trinidad lake asphalt and Cuban grahamite, increased 2 percent, from 3,962,257 short tons in 1936 to 4,049,303 tons in 1937. For the first seven months of 1937 the tonnage apparently demanded was 15 percent larger than in the corresponding months of 1935. After a decline in August and a rally in September, the last quarter of 1937 closed with an indicated demand 15 percent less than in the corresponding quarter of 1936. In terms of the long-time trend from 1908 to 1936 the decline was slight—from 18 percent above trend in 1936 to 17 percent above trend in 1937.

Of the 1937 production of petroleum asphalt, 1,555,803 short tons were made from foreign crude oil imported chiefly from Venezuela and Mexico, compared with 1,738,255 tons in 1936. Eighty-one percent of the asphalt manufactured in East coast refineries in 1937 and 30 percent of that manufactured in Gulf coast refineries was made from foreign crude. The total refinery output of asphalt in 1937 included 177,936 tons of other petroleum products blended with the asphalt to produce commercial varieties of the required consistency.

Asphalt and asphaltic material (exclusive of road oil) sold at petroleum refineries in the United States in 1937, by varieties, follows:—

	Short tons	
Solid and semisolid, less than 200 penetration:—		
Asphalt for:—	Domestic.	Foreign.
Paving	671,624	1,162,497
Roofing	385,420	799,921
Waterproofing	34,642	89,697
Blending with rubber	9,172	26,713
Briquetting	62,352	63,767
Mastic and mastic cake	356	1,171
Pipe coatings	12,341	13,517
Moulding compounds	10,893	14,740
Miscellaneous uses	69,572	112,341
Totals	1,256,372	2,284,364
Semisolid and liquid products of more than 200 penetration:—		
Flux for:—		
Paving	84,674	130,616
Roofing	262,945	291,281
Waterproofing	4,999	25,984
Cut-back asphalts:—		
Rapid-curing	307,722	673,035
Medium-curing	400,291	426,463
Emulsified asphalts and fluxes	36,150	56,654
Paints, enamels, japans, lacquers	16,624	26,244
Other liquid products	106,677	117,312
Totals	1,220,082	1,747,589
Totals:—1937	2,476,454	4,031,953
1936	2,323,634	4,074,745

Gasoline Freights Lowered

The New York Public Service Commission has approved cancellation of the following commodity rates.

Of the New York Central (East) and West Shore railroad on gasoline, blended gasoline, kerosene, tankcars, from Albany, Green Island, Rensselaer and Wemple to Westmoreland and Morrisville on the New York, Ontario & Western. Aggregate of intermediate rates will apply. Reduction. Effective August 20, 1938.

Road Oil Sales Increased Six Percent in 1937

Increased construction of the lighter types of highway, especially for county and farm-to-market roads, resulted in an increase of 6 percent in the sales of road oil by petroleum refineries in the United States, with the output increasing from 8,256,694 barrels in 1936 to 8,733,650 barrels in 1937, according to the Bureau of Mines.

Sold by U. S. Refineries

	Barrels	
	1937.	1936.
East coast	1,041,454	1,094,687
Appalachian	43,135	54,617
Ind.-Ill.-Kentucky	1,876,768	1,951,735
Okla.-Kans.-Missouri	707,032	771,175
Texas—		
Gulf coast	289,861	376,661
Rest of State	2,843	25,563
Total Texas	292,704	402,224
Louisiana-Arkansas—		
Louisiana Gulf coast	133,922	18,980
Northern La. and Ark.	395,171	506,034
Total La. and Ark.	529,093	525,014
Rocky mountain	1,245,266	638,079
California	2,998,198	2,819,143
Grand total	8,733,650	8,256,694

National Lead Earnings For Six Months Reported

National Lead Company reports for the six months ended June 30 net income of $1,804,864 after Federal income taxes, depreciation, depletion, etc., equivalent after preferred A and B dividend requirements to 27 cents a share on 3,095,100 common shares, excluding shares held in the treasury. This compares with a net income of $5,192,266, or $1.36 a share on the common stock for the six months ended June 30, 1937.

Current assets as of June 30, 1938, including $7,458,999 cash and marketable securities, amounted to $35,599,335, and current liabilities were $4,958,964. This compares with cash and marketable securities of $9,981,512, current assets of $43,129,933 and current liabilities of $6,145,333 on June 30, 1937. Inventories were $20,388,249, against $22,097,055.

Shell Oil Promotes Seven In Marketing Department

The Shell Oil Company, Los Angeles, has made seven major promotions in its marketing department, according to L. G. McLaren, vice-president. R. F. Schroeder, former assistant general sales manager, succeeds Mr. McLaren as general sales manager; P. J. Pieroth, from head office sales representative to assistant manager of the operations department; E. C. Harrison, from head office sales representative to assistant general sales manager; E. R. Raphael, former head office sales representative to Oakland division manager; R. D. Stetson, from Los Angeles division manager, to manager of the service station department; R. B. Jensen, retail merchandising manager, to Los Angeles division manager, and J. A. Pell, former Oakland division manager, to eastern representative with headquarters in New York.

Clinger Heads Pennsylvania Grade Crude Oil Ass'n

W. F. Clinger, president of the Clinger Oil & Gas Company, Tidioute, Pa., and vice-president of the Superior Oil Works, Warren, Pa., was re-elected president of the Pennsylvania Grade Crude Oil Association at its annual meeting, held in Oil City, Pa., July 7.

Other officers elected were:—Vice-presidents, Parker L. Melvin, of the Towne-Melvin Oil Company, Bradford, Pa., and Otto Walchli, Wellsville, N. Y.; recording secretary, John A. Beck, of the Pennsylvania Refining Company, Butler, Pa.; treasurer, S. Messer, of the Quaker State Oil Refining Corporation, Oil City, Pa.; assistant treasurer, W. R. Reitz, of the Quaker State Refining Corporation; executive secretary, J. E. Moorehead; assistant secretary, S. A. Hartwell, jr., and general counsel, F. B. Dow, Washington, D. C. The 1939 annual meeting will be held at Pennsylvania State College.

'Esso' Restricted in Use As Petroleum Trademark

The Standard Oil Company of New Jersey has been restrained by the Federal district court in St. Louis from use of the trade-name "Esso" in the sale of petroleum products in fourteen States primarily served by the Standard Oil Company of Indiana. Use of the term or any variant of it having a sound similar to the initials, "S. O." was held to constitute a practice unfair to the Indiana company.

The injunction applies to activities of the Standard Oil Company of New Jersey in Colorado, Illinois, Indiana, Iowa, Kansas, Michigan, Minnesota, Missouri, Montana, North Dakota, Oklahoma, South Dkaota, Wisconsin and Wyoming.

Gasoline Tax Diversion Ban Voted Down by Convention

Albany, July 26, 1938

The Constitutional Convention by a vote of 85 to 57 voted not to advance the Feinberg proposal to segregate motor fuel tax moneys up to 2 cents a gallon for highway construction from 1940 to 1960, both inclusive. This means that the proposal is dead so far as the constitutional convention is concerned and the proposal will not be passed.

Resor to Retire August 10

R. P. Resor, treasurer of the Standard Oil Company of New Jersey, who is now in his fiftieth year of continuous service with Standard Oil, will retire August 10. In an informal party held in his office, June 28, Mr. Resor was honored by officials of the company and members of the treasurer's staff who presented him with a gold watch and a leather-bound book of commemorative messages from his associates in the company.

Atlantic Refining Stockholders To Vote on Shares Increase

Atlantic Refining Company, Philadelphia, has called a special stockholders' meeting for September 12 to vote on proposals to increase the company's authorized indebtedness not to exceed $50,000,000 and to increase the authorized common stock from 4,000,000 shares to 5,000,000 shares. The purpose of the increase in stock is to put the company in position to fund its bank loans, which are estimated to be about $15,000,000.

Turpentine Industry Plans Promotion

Plans for trade and consumer advertising and other forms of sales promotion were inaugurated by representatives of producers, factors and dealers in the turpentine industry at a meeting in Jacksonville, July 22. The promotive work, should the plan go through, will be backed by the American Turpentine Farmers Association through a pro rata system of dues proposed in the following motion adopted by the meeting:—

It is moved that the dues of the American Turpentine Farmers Association be fixed at 50 cents per unit, out of which sufficient money should be allocated to carry on the research work at at least its present volume or scope, and that another sum sufficient to carry on the administration of the association be allocated for that purpose, which we understand to be now, roughly speaking, 6 cents, and the balance to be used for advertising. This to become effective as soon as the arrangements for such a plan can be put into effect by the association.

This proposal is to be laid before the directors of the association with the purpose that it be submitted to the members. Approval by 75 percent of the membership will be required, but Harley Langdale, president of the association, told the meeting that 90 percent of the turpentine producers were in favor of an advertising campaign. The sentiment of the meeting indicated no doubtfulness of the accuracy of this statement, and it was plain that factors were ready to underwrite the campaign.

The association is endeavoring to get an additional Federal loan of $3,000,000. And it was the general sentiment that assurance of success in this endeavor would be enhanced by manifestation of an intention to engage in a campaign of self-help.

F.O. Pierce Co. Reorganization Plans Making Progress

Dewey L. Pierce, president of the F. O. Pierce Company, now in reorganization, states that plans for reorganization are progressing satisfactorily and that for the period March 12, 1938, the date the company applied to the courts for reorganization, to June 30, 1938, the company has shown a net profit of $6,864.86. The sales, advertising, and general policies of the ninety-one-year-old company are continuing as in the past with no changes in the personnel.

Fertilizer Materials

Nitrate of Soda Prices Renewed for August Delivery—Interest in Organic Ammoniates Drops Off Suddenly—Light Supplies Hold Prices Steady

Renewal of the July price of nitrate of soda for another month was the one salient development in a market that suddenly turned quiet. Sellers of nitrate would take business through August at the prices that have been in force for some time but would not offer beyond August delivery. According to the gossip around the market it was expected that forward prices would be named around the end of this month.

Evidently buyers seem satisfied in what they have covered in the way of organics and the spirited activity of the past few weeks came to an abrupt halt last week. Some of the rough ammoniates continued to achieve higher quoted levels but the price advances were few by comparison with recent weeks. Light supplies, however, seem to bar the probability of a heavy recession of prices in the nearby future.

To date the fertilizer producers have had little factual data upon which to estimate their probable needs for the current season and the August cotton crop report due next week is anxiously awaited.

Price Changes

Prices were changed during the past week as follows:—

Advanced

Hoof meal, Chicago, 15c. per unit-ton.
Tankage, dom., Chicago, feed grade, 25c. per unit-ton.
fertilizer grade, 10c. per unit-ton.

Reduced

None

Comparative Values

Index numbers compiled from four typical fertilizer materials on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
66.3	66.3	66.7	66.0

Market news that may have developed after this report was sent to press will be found on page 4.

Ammoniates

Nitrate of Soda.—Prices for Chilean nitrate were named for August delivery at the prices that prevailed through July. Sellers of domestic nitrate followed. The suppliers are not offering beyond August delivery and the prices are $27 per ton for material in bulk; $28.30 per ton in 200-pound bags; and $29 per ton in 100-pound bags. The prices are f.o.b. cars producing point or usual Atlantic and Gulf ports for rail or boat shipment.

Sulphate of Ammonia.—As reported previously, some mills are sold up on their August production and others are sold up through the Summer. However, there has been no pinch of supplies yet and buyers are usually able to obtain supplies for any position they want. The June production figures were reported by the Bureau of Mines last week showing output of 55,934,000 pounds or 27,967 tons, a decrease of 12.6 percent from the preceding month and the smallest monthly total within recent years. June output of ammonia liquor was 3,172,000 pounds (NH_3 content), a decrease of 2.6 percent from the preceding month. The June, 1937, production in terms of the sulphate equivalent of all forms of ammonia produced in by-product coke operations was 128,186,000 pounds or 64,033 tons. The total production for the first half of 1938 was 404,211,000 pounds of sulphate and 20,732,000 pounds of ammonia liquor. The estimated output of sulphate and ammonia liquor for the fertilizer year July, 1937-June, 1938, was 571,171 tons.

Dried Blood.—As reported in the late market summary of last week's issue, sales in New York were registered at $3.10 per unit, an advance of 10c. over previous selling level. The market held firmly at that basis throughout last week. The Chicago market was also advanced 10c. per unit last week to the basis of $3.10 per unit. The foreign article continued firm at $3.35 per unit.

Fish Scrap.—The Chesapeake menhaden market was quiet and the price for when-and-if-made material continued at $3.25 and 10c. per unit-ton, f.o.b. fish factory. Japanese sardine meal was also quiet at $43 to $44 per ton for shipment from abroad, basis c.i.f. The new sardine fishing season on the West Coast commences today unless labor difficulties delay the opening.

Hoof Meal.—The Chicago market has advanced to $2.50 per unit, compared with $3.35 per unit previously. Imported material has been offering at $2.80 per unit for shipment, basis c.i.f.

Nitrogenous Material.—The East Coast producers are still out of the market. Some individual offerings have been heard from the West, but they are not seen regularly and are regarded as private transactions.

Tankage.—Chicago prices were higher again with the fertilizer grade named at $2.75 and 10c. per unit-ton, an advance of 10c., and feeding grade at $3.25 and 10c. per unit-ton, a boost of 25c. over the preceding week's price. The New York market was quiet at $3 and 10c. per unit-ton for either ground or unground. The imported product held at $3.25 and 10c. per unit-ton nominal.

Potashes

Except for the mechanics of delivering material against the contracts that were booked earlier in the season, there was no activity in the market for agricultural potash materials. Sellers did not expect much new business until just before the expiration of the current discount of 5 percent. Orders placed prior to October 1 for spot delivery or for delivery in approximately equal monthly quantities through December are subject to 5 percent discount. List prices prevail thereafter.

Phosphates

The advancing position of foreign and domestic bone products was halted for last week at least. There were no further changes in price and buying interest seemed to have dropped off suddenly. There was not much interest in superphosphate. Phosphate rock was quiet except for export business where trade has been good.

Bone Materials.—For last week at least the price improvement was halted. The sellers of imported products and the Chicago packers held prices at the levels of the preceding week. Local suppliers reported that buying interest dropped off precipitately last week.

Superphophate.—A few contracts for the season have not been closed yet, but the majority of the buyers taking material out of Baltimore have contracts for the year at $7.50 per ton for the run of the pile, basis 16 percent, and $8 per ton for guaranteed 16 percent material, f.o.b. Baltimore, in bulk.

Sulphur and Pyrites

The sulphur producers reported a modest sort of trade last week. Like everyone else they expect some real improvement in consumption in the Fall and have been favored with a slightly better attitude among their buyers, but the actual calls for deliveries have shown only scattered improvement so far. Pricewise, the market continued steady.

Markets at Other Centers

Atlanta, July 28.—Buying interest in fertilizer materials has dropped. As usual the southern fertilizer manufacturer turns to the supply of cottonseed meal when organic ammoniates rise. The present prices of cottonseed meal are tending upward which, taken with its scarcity, is creating an attitude of waiting to see what the present crop yield of meal is to be.

Viewing the crop outlook as a barometer of probable demand for fertilizers next season, Southern fertilizer manufacturers find a further decline in the cotton crop outlook due to a week of cloudiness and rain over the entire cotton belt, the most serious aspect being what the weather has done to promote boll-weevil damage.

Quotations of leading fertilizer materials in this market are as follows:—

SUPERPHOSPHATE.—$8.40 per ton, interior producing points.

SULPHATE OF AMMONIA.—$25.50 per ton at producing plants but not available at some mills for two months.

COTTONSEED MEAL.—8 percent meal at $25 per ton interior southeast.

BLOOD.—$3 per unit, basis Chicago; foreign, $3.30 to $3.35, port basis.

TANKAGE.—$2.65 and 10c., basis Chicago; imported, $3.25 and 10c., ports.

FISH.—Chesapeake menhaden, $3.25 and 10c., future deliveries; Japanese meal, $43 to $44 per ton, port basis.

BONE.—3 and 50 grade, $23 to $24 per ton, basis Chicago.

Baltimore, July 28.—The market remained dull, with prices little changed, though some of the organic products still tended to firm up. Current quotations were as follows:—

FISH SCRAP.—The menhaden fishing down the Chesapeake Bay continued light during the past week. The limited output of scrap has settled the market more firmly in the position of $3.25 and 10c. per unit-ton down the bay. Trading was not active. Japanese sardine meal was $43 to $44 per ton, c.i.f. shipment.

TANKAGE.—$3 and 10c. per unit-ton, c.a.f. basis Baltimore.

BLOOD.—The market was steady around $3 per unit-ton for domestic, with South American supples at $3.25 per unit-ton, c.i.f.

SUPERPHOSPHATE. — The movement did not exceed very moderate proportions, but quotations remained unchanged at $7.50 per ton for run of pile, and at $8 per ton for 16 percent milled and screened supplies.

BONE.—1 and 60 bone flour quoted at $21 per ton; 3 and 50 ground steamed at $23.50, and $28 to $30 per ton for 4½ and 50 ground raw stocks.

Chicago, July 28.—A strong market situation is reported in most branches of the general fertilizer materials. Buying has been sufficient to impart a firm tone generally, and to keep that feeling existing. Purchases have been moderate, with some sellers preferring to hold their offerings to rather limited levels. Blood takings

—*Continued on page 54*

Current prices on fertilizer materials are given in the alphabetical list of prices beginning on page 7

Corporation Earnings Recently Reported

	Period.	1938 Net income.	1938 Per share.	1937 Net income.	1937 Per share.
American Chicle Co.	6 mos.	1,621,583	$3.71	1,785,373	$4.06
American Home Products Co.	4 mos.	$992,262	$1.34	.....	...
Atlantic Refining Co.	6 mos.	2,866,000	.96	3,436,756	1.18
Atlas Powder Co.	6 mos.	471,651	1.19	867,822	2.78
Barber Asphalt Co.	6 mos.	*270,109	...	402,794	1.03
Beechnut Packing Company	6 mos.	1,111,809	2.54	$1,210,130	$2.77
Catalin Corp.	6 mos.	4,214	.008	124,020	.23
Celotex Corp.	Qtr.	117,531	.17	715,931	2.39
Certain-teed Products Co.	6 mos.	*82,969	...	170,072	...
Climax Molybdenum Co.	6 mos.	3,071,191	1.22	.....	...
Consolidated Rock Products Co.	5 mos.	*60	...	*34,965	...
Continental Can Co.	6 mos.	7,049,860	2.47	7,944,542	2.78
Champion Fibre Works.	Year	1,557,439	1.98	1,753,408	2.34
Container Corp.	6 mos.	*120,251	...	1,319,294	1.69
Commercial Solvents Corp.	6 mos.	*386,071	...	862,280	.33
Cliffs Corp.	6 mos.	129,874	.16	267,966	.46
Corn Products Rfg. Co.	6 mos.	5,046,623	1.65	4,341,886	1.38
Gair, Robert, Co.	6 mos.	*35,688	...	671,930	.69
General Printing Ink Co.	6 mos.	335,096	.32	716,867	.83
Howe Sound Co.	6 mos.	918,170	1.94	3,065,471	6.45
International Salt Co.	6 mos.	163,611	.70	168,130	.72
International Silver Co.	6 mos.	*111,590	...	329,133	1.33
Jones & Laughlin Steel Corp.	3 mos.	*2,163,738	...	.....	...
Johns-Manville Co.	6 mos.	*24,897	...	2,811,334	3.09
Libbey-Owens-Ford Glass Co.	6 mos.	*421,879	...	5,631,469	2.25
MacAndrews & Forbes Co.	6 mos.	342,650	.93	463,285	1.33
Mathieson Alkali Works.	6 mos.	365,552	.34	993,778	1.01
Mead Corp.	24 wks.	217,459	.01	1,157,570	1.67
National Gypsum Co.	6 mos.	395,503	.20	509,881	.30
National Oats Co.	6 mos.	58,000	.58	19,499	.19
Newport Industries, Inc.	12 mos.	410,408	.79	1,103,501	2.12
Plymouth Oil Co.	6 mos.	1,328,120	1.30	1,362,996	1.30
Remington Arms Co.	6 mos.	23,000	.01	.....	...
Root Petroleum Co.	6 mos.	52,735	...	.....	...
Savage Arms Co.	6 mos.	*77,185	...	195,084	1.16
Shell Union Oil Corp.	6 mos.	5,830,437	.37	8,840,927	.57
Shell Union Oil Corp.	12 mos-Apr.	19,637,603	1.36	21,462,820	1.50
Staley, A. E., Mfg. Co.	6 mos.	463,734	...	.....	...
Standard Brands, Inc.	Year	8,447,922	.60	12,980,884	.99
Sun Oil Co.	6 mos.	1,758,686	.63	4,376,372	1.90
Superior Oil Co.	6 mos.	194,946	.14	136,691	.10
Texas Gulf Sulphur Co.	6 mos.	3,715,131	.97	5,877,448	1.53
U. S. Gypsum Co.	6 mos.	2,191,219	1.60	3,401,253	2.62
Union Oil of Calif.	6 mos.	4,950,000	1.06	5,200,000	1.11
U. S. Smelting & Refining Co.	5 mos.	1,056,218	.71	2,613,184	3.65
Valspar Corp.	Year	107,604	...	299,162	.50
Victor Chemical Works.	6 mos.	275,544	.40	342,487	.49
Westvaco Chlorine Prod.	6 mos.	354,461	.62	411,356	.79
Wrigley, Wm., jr., Company	6 mos.	3,382,604	1.73	4,354,901	2.22
Zonite Products Co.	6 mos.	*58,131	...	41,419	.05

* Deficit.

Cottonseed Crushers Officers Re-elected

At its first meeting, in Chicago, July 14 and 15, the incumbent board of directors of the National Cottonseed Products Association, including the new president, T. J. Kidd, Birmingham, Ala., re-elected the following as officers of the association:—

Executive vice-president, T. H. Gregory, Memphis, Tenn.

General counsel, Christie Benet, Columbia, S. C.

Secretary-treasurer, S. M. Harmon, Memphis, Tenn.

Educational director, A. L. Ward, Dallas, Texas.

London Drug and Oil Data

Stocks of certain drugs, oils, and related materials in London public warehouses June 30, 1938 and 1937, and movements of such goods into and out of those premises in June, 1938, were as follows:—

	Landed.	Delivery.	Stocks 1938.	Stocks 1937.
Shellac, orange, cs.	5,931	7,561	125,539	142,287
garnet, cs.	230	194	959	1,188
button, cs.	582	310	982	1,389
Totals	6,743	8,065	127,480	144,864
Quinine sulphate, lbs.	1,500	1,500	...	...
Cinchona bark, South American, cs.	...	...	...	...
bales, etc.	...	...	...	...
East India, Ceylon, and Java, cs.	...	...	...	...
bls., etc.	...	43	437	315
Totals	...	43	437	315
Aloe, cwts.	26	34	177	370
Anise, Star, cwts.	...	3	41	201
Arrowroot, bbls.	425	227	2,587	2,426
boxes and tins.	...	...	...	...
Balsam, cwts.	18	22	184	142
Cascara sagrada, tons.	5	10	77	77
Tanners' bark, tons.	...	...	...	...
Beeswax, pkgs.	951	1,053	3,296	3,241
Japan wax, cs., etc.	348	400	320	212
Camphor, pkgs.	82	118	316	288
Cardamom, cwts.	265	220	718	294
Cochineal, bgs.	10	7	45	48
Coculus indicus, bgs.	...	...	...	...
Colombo root, bgs.	460	...	1,540	102
Cubebs, bgs.	...	...	...	13
Dragon's blood, cs.	6	6	115	159
Nutgalls, China and Japan, cs.	...	70	...	886
Turkey and Persian, bgs.	2	21	171	236
Gum, ammoniac, pkgs.	...	2	56	40
animi, pkgs.	...	32	232	364
copal, pkgs.	4,102	2,996	15,794	14,502
arabic, all descriptions, pkgs.	1,840	1,964	11,497	16,226
asafetida, cwts.	6	145	252	361
benzoin, cwts.	...	33	494	806
dammar, pkgs.	840	2,000	6,308	6,075
gamboge, cwts.	...	10	22	61
guaiac, cwts.	...	12	4	41
elemi, pkgs.	...	...	...	...
kauri, tons, net.	11	37	174	153
mastic, pkgs.	40	27	58	68
myrrh, East India, pkgs.	23	33	7	4
olibanum, pkgs.	134	5	364	225
sandarac, pkgs.	91	90	316	177
tragacanth, pkgs.	187	236	4,550	3,167
Ipecac, Mattogrosso, cwts.	42	40	30	101
other sorts, cwts.	15	7	47	47
Jalap, cwts.	19	...	147	21
Myrabolans, tons.	1	1	1	2
Nux vomica, cwts.	21	...	241	18
Oils, castor, cwts.	...	14	252	71
palm, tons.	...	...	...	...
coconut, tons.	118	111	16	14
olive, cks., etc.	347	523	941	1,164
*anise, cwts.	...	9	1	8
*cassia, cwts.	5	5	7	16
Graphite, tons.	12	12	57	31
Rhubarb, Chines rhapontica, cwts.	15	60	413	93
Saltpeter, tons.	46	25	80	8
Soda nitrate, tons.	961	503	1,457	1,241
Sarsaparilla, cwts.	83	82	248	193
Senna, bls.	289	379	2,204	2,712
Sticklac, cs.	465	798	944	2,614
Gambier, tons.	6	7	19	5
Cutch, tons.	7	...	14	7
Turmeric, Bengal, tons	6	5	19	16
Madras, Cochin, etc., tons	60	46	77	83
Total tons.	66	51	96	99

* Stocks at certain wharves not included.

DOMESTIC
SULPHATE OF AMMONIA
AND AMMONIA LIQUOR
THE Barrett COMPANY — 40 RECTOR STREET, NEW YORK

Fertilizer Materials

Markets at Other Centers

—*Continued from page* 53

have been fair, with the product reported tight. Tankage is fairly active, with the tone healthy there also. Bone materials are quiet, but mostly holding ther own without trouble and in some cases working higher.

BLOOD.—Principal grade, $3 to $3.10 per unit of ammonia.

TANKAGE.—High grade, ground, $2.55 to $2.65 and 10c.; low grade, $19 to $20; hoof meal, $2.40 to $2.50; liquid stick, $1.95 to $2.

BONE MATERIALS.—Ground, steamed bone, 1¼ and 60 percent, $19 to $20; 3 and 50 percent, $23 to $25; 4½ and 50 percent, $27 to $29; grinding hoofs, pigs' toes and waste horn materials, $40 to $45, mostly nominal; cattle jaws, skulls and knuckles, $17 to $19; pork cracklings, soft pressed, $40 to $45; beef cracklings, soft pressed, $32.50 to $37.50; hard pressed cracklings, per unit of ammonia, 67½c. to 70c.

San Francisco, July 27.—Extensive bookings of chemical products, notably sulphate of ammonia, were noted in the trade here last week as mixers and others came into the market following recently announced price schedules. Business was reported in all quarters as substantial and it was generally regarded that a very large proportion of the trade's needs for the coming year has been written up in contracts. Further business is pending. Meantime, more activity has also been seen in sardine meal, the market showing advancing tendencies with early season material quoted at $40 per ton, with concessions for later deliveries. Several thousand tons are reported as having been booked to date, in spite of the fact that a deadlock remains in the industry owing to labor trouble. Other organics were quiet but firm last week.

Ruling prices were:—

SULPHATE OF AMMONIA.—Quoted in 100-pound bags at $31.50 per ton, port basis, San Francisco and/or Los Angeles harbor. Inland points, delivered, $1 per ton extra. Prices in effect through June, 1939.

NITRATE OF SODA.—100-pound bags, $29 per ton ex vessel or warehouse, San Francisco/Oakland. 200-pound bags, $28.30 per ton ex vessel or warehouse, San Francisco/Oakland.

SUPERPHOSPHATE. — Domestic, 75c. per unit in bulk, f.o.b. producer's plant, San Francisco Bay. Bags, quoted at 85c. per unit. Foreign material nominal.

AMMONIA PHOSPHATE. — Quoted at $40 per ton, single bags, f.o.b. cars, San Francisco; basis 16 percent N., 20 percent P.A. Inland points, delivered, $1 per ton extra.

FISH MEAL.—California sardine meal, new season, early delivery, is quoted on the basis of $40 per ton, f.o.b. production point. Later delivered indicated at $38.50. Spot meal, old season, quoted on the basis of $46 per ton, f.o.b. cars, San Francisco/Monterey and $45 per ton, Los Angeles.

TANKAGE.—Fertilizer grade tankage, wet rendered, from domestic packing houses, quoted on the basis of $2.85 and 10c. per unit ton, nominally, f.o.b. cars, Los Angeles. Higher grades, quoted at $3.10 to $3.15 and 10c. Dry rendered, ground, quoted on the basis of $35 per ton, f.o.b. cars, San Francisco. Unground, dry rendered, quoted from 57½c. to 60c. per unit of protein.

BLOOD MEAL.—Domestic, $3 to $3.05 per unit, f.o.b. cars, Los Angeles.

BONE MEAL.—Quoted from $24 to $27 per ton, according to seller and quality.

Borden Glue Claims Revised in F.T.C. Pact

OPD Washington Bureau
July 28, 1938

The Borden Company, New York, has entered into a stipulation with the Federal Trade Commission under which it agrees to cease certain representations in the sale of "Casco," a glue product. Under its stipulation, the company will desist from the use of its labels or in advertising matter of the word, "waterproof," as descriptive of its "Casco Grade A" glue when in fact, according to the stipulation, this product is not impervious to water so as to be properly referred to as waterproof.

The stipulation relates that the respondent company's wholly owned subsidiary, the Casein Company of America, labeled and advertised "Casco grade A" glue as "waterproof" and that, following dissolution of the subsidiary in December, 1937, the parent company continued to sell the product but that fewer references to its alleged waterproofing quality appeared in the Borden Company's advertising.

F.T.C. Gets Aid Of P.S.H. on Drugs

OPD Washington Bureau
July 27, 1938

Dr. E. K. Miller, a surgeon of the United States Public Health Service, has been detailed to the Federal Trade Commission, commencing August 1, under an arrangement agreed to by the two agencies.

Dr. Miller will advise the commission on therapeutic problems arising under the enforcement of the food, drug, and cosmetic advertising provisions of the Wheeler-Lea act. He will work with the investigating staff in the investigation of complaints, with the special board in scrutinizing advertising, and with the trial division in the presentation of medical evidence.

It is expected that the commission will continue to call on the Public Health Service and other technical agencies of the government for laboratory examinations and tests when these are necessary in connection with enforcement work, as the commission has no present plans for establishing its own laboratories.

Commercial Solvents Elects Two Directors

Stockholders of the Commercial Solvents Corporation have elected Samuel M. Greer and Linus C. Coggan to the board of directors. Mr. Greer was elected to fill the vacancy in the directorate caused by the death of William D. Ticknor, president of Commercial Solvents Corporation. Mr. Greer is director of American Steel Foundries and Servel, Inc., and, for many years, was an officer of the Bell Telephone system.

Mr. Coggan, who succeeds Philip L. Reed on the directorate, is also counsel for and director of the Corn Products Refining Company, whose president, George M. Moffett, is also a member of Commercial Solvents directorate.

R.V. Wheeler Wins Melchett Medal

London, July 20, 1938

Prof. Richard V. Wheeler has been awarded the Melchett medal for 1938 by the Institute of Fuel. He is professor of fuel technology at the University of Sheffield, as well as director of safety in Mines Research Board Experimental Stations in Sheffield and Buxton.

Born in 1883, Prof. Wheeler was educated at Plymouth College, Plymouth, and Ownes College, Manchester. He is the author of a number of articles dealing with the constitution of coal, blast-furnace coke, coal-mining problems, scientific and technical papers on coal combustion and flame. Prof. Wheeler will deliver the Melchett lecture before the institute October 13.

Haeuser Shellac Co. Formed

A firm to be known as the Haeuser Shellac Company, Brooklyn, N. Y., has been incorporated to succeed the A. R. Haeuser Company. The capital setup is 2,000 shares of no par value stock. The incorporators are Mrs. Agnes Schongalla, widow of the late William Schongalla, who was president of the A. R. Haeuser Company at the time of his death on January 12, Fredrick A. Shipley, and Edward F. Rocklein, both of whom were employees of the old company. The new corporation will continue the production and sale of shellac varnishes, and allied products. Mr. Shipley will serve as president, and Mr. Rocklein will be secretary.

E.A. Tupper Statistician For Commerce Bureau

OPD Washington Bureau
July 28, 1938

Ernest A. Tupper has been appointed chief statistician for the Bureau of Foreign and Domestic Commerce. Mr. Tupper will assist in coordinating certain economic studies to be undertaken by the Bureau of Foreign and Domestic Commerce at the request of the National Economic Committee. His duties will be technical and advisory and will include examination of the statistical and research activities of the Bureau, with a view toward maintaining coordinated procedure.

Born in Lowell, Mass., Mr. Tupper attended Georgetown University and the University of Pennsylvania. He was a research associate in the Department of Industrial Research of the University of Pennsylvania and a member of the faculty at the time of his appointment to the Department of Commerce in 1930. Upon entering the service of the department he became assistant chief of the division of economic research, Bureau of Foreign and Domestic Commerce.

Bids Wanted

Drugs:—106 items; Commanding Officer, St. Louis Medical Depot, St. Louis, Mo.; procurement 2, opening August 19.

Charcoal, Activated:—3,700 pounds; Chemical Warfare Service, Edgewood Arsenal, Md.; procurement 22, opening August 3.

Formaldehyde:—7,000 pounds of solution for Mare Island; Bureau of Supplies and Accounts, Navy Department, Washington, D. C.; schedule 4125, opening August 26.

Methyl Bromide:—200 pounds; Division of Purchases, Sales and Traffic, Department of Agriculture, Washington, D. C.; procurement 3305, opening August 2.

Putty:—1,500 pounds; Quartermaster, Fort Hoyle, Md.; procurement 418-3, opening August 3.

Oil, Flatting:—1,200 gallons; Bureau of Supply, Treasury Department, Procurement Division, Washington, D. C.; procurement 4323-S, opening August 8.

Red Lead:—1,500 pounds; U. S. Engineer Office, New York District, Army Building, New York; procurement 40, opening August 4.

Soap, Salt Water:—264,500 pounds for San Diego and Puget Sound; Bureau of Supplies and Accounts, Navy Department, Washington, D. C.; schedule 4036, opening August 16.
36,000 pounds for Philadelphia; Bureau of Supplies and Accounts, Navy Department, Washington, D. C.; schedule 4036, opening August 16.

Soda, Sal:—4,800 pounds; U. S. Engineer Office, New York District, Army Building, New York; procurement 42, opening August 4.

Sponges:—3,000; Quartermaster Supply Officer, Army Base, Brooklyn; procurement 62-17, opening August 24.

Washing Compound:—14,000 pounds; Quartermaster, Marine Corps, Washington, D. C.; schedule 80, opening August 8.

Contracts Awarded

Acetylene Tetrachloride:—9,440 pounds; awarded to Innis, Speiden & Co., New York, by the Chemical Warfare Service, Edgewood Arsenal, Md., at 8.5c. a pound; procurement 507, opening June 23.

Kerosene:—25,000 gallons; awarded to the Quincy Oil Company by the Lighthouse Service, Chelsea, Mass., at $1.620; procurement 3337, opening June 8.

Lead Sulphocyanate:—1,000 pounds; awarded to E. I. du Pont de Nemours & Co., Wilmington, by the Frankford Arsenal, Philadelphia, at 44.55c. a pound; procurement 1087, opening June 21.

Lead, White:—4,000 pounds; awarded to the Mamolith Carbon Paint Company, Scranton, Pa., by the Watervliet Arsenal, N. Y., at 7.55c. a pound; procurement 111, opening June 13.

Lime, Hydrated:—75,000 pounds; awarded to Beder Wood's Sons by the Raritan Arsenal, N. J., at 6.7c. a pound; procurement 712, opening June 21.

Naphthalene, Flake:—20,000 pounds; awarded to James Good, Inc., Philadelphia, by Quartermaster Corp, Philadelphia, at 5.465c. per pound; circular 330, opening June 24.

Oil, Lard:—6,000 gallons; awarded to the Enterprise Animal Oil Company, Philadelphia, by the Springfield Armory, Mass., at 64c. a gallon; circular 250, opening May 31.

Paraffin, Chlorinated: — 3,450 pounds; awarded to Amecco Chemicals, Rochester, N. Y., by the Chemical Warfare Service, Edgewood Arsenal, Md., at 12.4c. a pound; procurement 507, opening June 23.

Petrolatum:—5,500 gallons; awarded to Sherwood Petroleum Corporation, by the Veterans Administration, at $3,547; procurement 1141, opening June 23.

Petroleum Naphtha:—40,000 gallons; awarded to the Leader Oil Company, by the Raritan Arsenal, N. J., at 7c. a gallon, f. o. b. refinery; procurement 712, opening June 21.

Strontium Nitrate:—2,000 pounds; awarded to the Hummel Chemical Company, N. Y., by the Frankford Arsenal, Philadelphia, at 15.5c. a pound; procurement 1087, opening June 21.

Oxalate:—300 pounds; awarded to the Foote Mineral Company, Philadelphia, Pa., by the Frankford Arsenal, Pa., at 58c. per pound; procurement 1087, opening June 21.

Peroxide:—3,000 pounds; awarded to the Standard Ultra-Marine Company, Huntington, W. Va., by the Frankford Arsenal, Philadelphia, at $1.20 for 80%, plus 5c. each percent of purity higher than 80% and less than 85%, and $1.45 a pound for 85%, plus 5c. for each percent of purity higher than 85% and less than 90%; procurement 1087, opening June 21.

Zinc Dust:—20,000 pounds; awarded to the Federated Metal Division, Philadelphia, Pa., by the Edgewood Arsenal, Md.; at 5.7c. per pound; procurement 422, opening June 9.

Stoney-Mueller, Inc., Formed

William Mueller and Richard C. Stoney, long identified with the sale of chemicals, have organized a manufacturers' sales agency under the name of Stoney-Mueller, Inc. The firm, with offices at Page and Newark avenues, Lyndhurst, N. J., will have bulk and package warehouse facilities, and will concentrate on movement of raw materials to the paint, varnish, lacquer chemical industries in the metropolitan New York and northern New Jersey districts. The company will also do an export business.

Mr. Mueller, who is president of the new organization, has been affiliated with the Commercial Solvents Corporation for seventeen years, having become associated with Commercial Solvents the year of his graduation from the University of Cincinnati. He resigned from the Commercial Solvents organization about a year ago to take a trip around the world.

Mr. Stoney, secretary and treasurer, was associated with the Commercial Solvents for twelve years, resigning July 15, 1938. He had held various sales executive positions with Commercial Solvents, having been assistant general sales manager at the time of his resignation.

After the vein of natural salts has been undercut by modern machinery and blasted down, it is mechanically loaded into mine cars, hauled to the shaft, then hoisted 1000 feet to the surface.
PCA
RED MURIATE
POTASH COMPANY of America
GENERAL SALES OFFICE--MERCANTILE TRUST BLDG.--BALTIMORE, MD.
SOUTHERN SALES OFFICE--MORTGAGE GUARANTEE BLDG.--ATLANTA, GA.

Shipping Information

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Imports at U.S. Ports

New York Imports

ACID, CRESYLIC—22 dms, 1 cs, 10 tons, 10 cwt, 11 lbs, Monsanto Chemical Co, Carinthia, Liverpool
STEARIC—80 bgs, M J Corbett & Co, Veendam, Rotterdam
10 cs, Veendam, Rotterdam
67 bgs, 5 tons, 3 cwt, 3 qtrs, 21 lbs, Orbis Product Corp, Carinthia, Liverpool
AGAR AGAR—15 bls, S B Penick & Co, Terukawa, Kobe
ALBUMEN, EGG, HEN—28 cs, Philadelphia National Bank, Hokkai, Tientsin
25 cs, Hokkai, Tientsin
VEGETABLE—3 cs, Lo Curto & Funk, Europa, Bremen
ALOE—100 cs, Selma Mercantile Corp, Flora, Curacao
61 cs, R Desvernine, Flora, Curacao
ALUMINUM LEAF—28 cs, Rohner, Gehrig & Co, Europa, Bremen
AMMONIA, CARBONATE—23 cs, American British Chemical Supplies, Cameronia, Glasgow
ANNATTO SEED—50 bgs, Santa Barbara, Guayaquil
64 bgs, Teesbank, Colombo
ARTISTS MATERIAL—4 cs, Winsor & Newton, American Farmer, London
ASBESTOS—5,000 bgs, Raw Asbestos Distr, Charles H Cramp, Beira
2,193 bgs, Johns-Manville Corp, Charles H Cramp, Capetown
BANDA ROOT—40 bgs, Van Norden & Archibald, Siamese Prince, Macassar
BARK, MEDICINAL—4 bls, Peek & Velsor, Vulcania, Trieste
BARYTES—6 cars, United Color & Pigment Co, Seatrain Havana, Havana
BLEACHING POWDER—305 dms, H H Rosenthal & Co, Hokkai, Osaka
BONES—1 car, Geck Trading Corp, Seatrain Havana, Havana
BRISTLES—2 cs, Corn Exchange Bank, New York, Hamburg
66 cs, Mitsui & Co, Hokkai, Dairen
1 cs, Hokkai, Kobe
105 cs, Guaranty Trust Co, Hokkai, Tientsin
30 cs, Bank of London, South America, Hokkai, Tientsin
66 cs, Corn Exchange Bank, Hokkai, Tientsin
52 cs, Chase National Bank, Hokkai, Tientsin
25 cs, Goldman, Sachs & Co, Hokkai, Tientsin
2 cs, M Broverman & Son, American Farmer, London
CAMPHOR, REFD—50 cs, Mitsui & Co, Asakasan, Kobe
CANARY SEED—300 bgs, Executive, Casablanca
625 bgs, J T Connor Co, Southern Cross, Buenos Aires
CARAWAY SEED—50 bgs, 5,500 lbs, Excalibur, Beyrouth
100 bgs, 11,000 lbs, R L Friedler, Veendam, Rotterdam
100 bgs, 11,000 lbs, Jewitt & Sherman, Veendam, Rotterdam
CARDAMOM—6 cs, American Farmer, London
30 cs, Barber S S Line, Teesbank, Port Said
CAROB FLOUR—50 bgs, S B Penick & Co, Excalibur, Marseilles
CASSIA—442 bls, B H Old & Co, Talisse, Padang
226 bls, Talisse, Padang
VERA—101 bls, Talisse, Padang
698 bls, J F Frank, Tweedbank, Botavia
172 pkgs, J F Frank, Thurland Castle, Batavia
CASTOR BEANS—1,693 bgs, Bank of London South America, Balfe, Maceio
5,100 bgs, Baker Castor Oil Co, Argentino, Bahia
CHALK, PRECIP—50 bgs, 3 tons, 15 cwt, 3 qtrs, 16 lbs, H J Baker & Bros, Carinthia, Liverpool
CHEMICALS—2,286 bgs, Advance Solvents & Chem Co, New York, Hamburg
340 bgs, Sherka Chem Co, New York, Hamburg
1 cs, Hummel Chem Co, New York, Hamburg
19 cks, Jungmann & Co, New York, Hamburg
200 bgs, Innis, Speiden & Co, New York, Hamburg
453 bgs, 25 cks, New York, Hamburg
40 cks, Robinson-Wagner Co, New York, Hamburg
1 crby, Jungmann & Co, Baghdad, Hamburg
3 cs, Akatos, Inc, Baghdad, Hamburg
20 cks, Philip Bauer Co, Black Falcon, Rotterdam
45 cs, Black Falcon, Rotterdam
42 kgs, Pfaltz & Bauer, Veendam, Rotterdam
10 cks, General Aniline Works, Veendam, Rotterdam
5 dms, Chemical Marketing Co, Veendam, Rotterdam
4 cks, 11 dms, General Dyestuff Corp, Veendam, Rotterdam
11 cks, 1 cs, Europa, Bremen
4 cks, Geigy Co, Ile de France, Havre
2 cs, Gane & Ingram, Ile de France, Havre
20 dms, Industrial Sales Corp, Black Condor, Antwerp
1,200 dms, National Carloading Corp, Black Condor, Antwerp
MANURE—20 bgs, Copex Co, American Farmer, London
70 bgs, D F Young, American Farmer, London
13 bgs, Yokohama Nursery Co, American Farmer, London
CINCHONA, PROD—4 cs, R W Greeff & Co, Veendam, Rotterdam
CLAY—50 bgs, W Manley, Washington, Hamburg
COALTAR, DETERGENT—10 cs, American Farmer, London
DERIVATIVE—5 cs, General Dyestuff Corp, Veendam, Rotterdam
INTERMEDIATES—2 cks, General Dyestuff Corp, New York, Hamburg
25 dms, General Aniline Works, Black Falcon, Rotterdam
19 dms, General Aniline Works, Veendam, Rotterdam
21 cks, 9 dms, General Dyestuff Corp, Veendam, Rotterdam
10 dms, 1 ck, Sandoz Chem Works, Europa, Bremen
4 dms, Ciba Co, Europa, Bremen
1 cs, General Dyestuff Corp, Europa, Bremen
PITCH—20 dms, Standard Oil Co of N J, Esso Aruba, Aruba
COALTAR PRODUCT—7 cs, Allondon Bayonne Co, New York, Hamburg
33 dms, General Aniline Works, Veendam, Rotterdam
COBALT METAL—7 cs, 979 lbs, Central Trading Corp, Scanpenn, Wiborg
60 cks, Koenigstein, Antwerp
COCOA BEANS—278 bgs, W R Grace & Co, Balfe, Brazil
6,313 bgs, W & A Leaman, Black Falcon, Rotterdam
50 bgs, Struller & Wood, Flora, Curacao
87 bgs, Schutte & Focke, Flora, Curacao
1,000 bgs, Flora, Puerto Cabello
100 bgs, Pablo, Calvet & Co, Guayaquil, S A Ports
23 bgs, Nieschlag & Co, Santa Elena, Maracaibo
400 bgs, Machado & Co, Santa Elena, La Guaira
100 bgs, Meyer & Co, Santa Elena, Pto Cabello
1,000 bgs, Nieschlag & Co, Argentino, Bahia
1,000 bgs, Wood & Selick, Argentino, Bahia
1,000 bgs, H L Bloch, Argentino, Bahia
1,000 bgs, Wessel, Kulenkampf & Co, Argentino, Bahia
31 bgs, Angelina, San Juan
1,000 bgs, W R Grace & Co, Southern Cross, Trinidad
250 bgs, Middleton & Co, Southern Cross, Trinidad
500 bgs, Southern Cross, Trinidad
COCONUTS—427 bgs, 42,700 lbs, Emilia, Arroyo
39 bgs, 3,900 lbs, J Simon & Co, Emilia, San Juan
1,210 bgs, 121,000 lbs, General Food Corp, Emilia, San Juan
900 bgs, 90,000 lbs, I L Toledano Corp, Guayaquil, Cristobal
67 bgs, 6,700 lbs, P R Fruit Exchange, Coamo, San Juan
50 bgs, 5,000 lbs, Universal Import & Export Co, Angelina, Mayaguez
50 bgs, 5,000 lbs, J Simon & Co, Angelina, Mayaguez
22 bgs, 2,200 lbs, M M Church, Angelina, Mayaguez
423 bgs, 42,300 lbs, General Food Corp, Angelina, Mayaguez
1,446 bgs, 144,600 lbs, General Food Corp, Angelina, Mayaguez
71 bgs, 7,100 lbs, I L Toledano Corp, Angelina, San Juan
COCONUT DESIC—300 cs, J H Vavasseur, Siamese Prince, Colombo
1,000 cs, Balfour, Guthrie & Co, Asokasan, Manila
CODLIVER MEAL—1 bx, Max Kornreich, St Johns
COLORS—117 cks, Fulton Dye Import Co, Ile de France, Havre
2 bbls, 1 dm, Dunlap, Alpers & Mott, Black Condor, Antwerp
CERAMIC—1 cs, B F Drakenfeld & Co, Carinthia, Liverpool
EARTH—20 cks, C J Osborn & Co, Washington, Hamburg
COPAIBA BALSAM—30 cs, 3,000 lbs, G Uhe & Co, Balfe, Manaos
CORIANDER SEED—400 bgs, E E Marks & Co, Executive, Casablanca
30 bgs, Greene Trading Co, American Farmer, London
CORK—15 bls, Armstrong Cork Co, Excalibur, Marseilles
14 bls, Mundet Cork Corp, Helvig, Lisbon
SHAVINGS—1,765 bls, Adolph Hurst & Co, Helvig, Lisbon
WASTE—6,753 bls, Chemical Bank & Trust Co, Executive, Djidjelli
649 bls, L Mundet & Sons, Executive, Djidjelli
1,065 bls, Manufacturers Trust Co, Helvig, Lisbon
145 bls, Lion & Alberto, Helvig, Lisbon
2,152 bls, Mundet Cork Corp, Helvig, Lisbon
2,044 bls, Mitchell & Smith Co, Helvig, Lisbon
WOOD—165 bls, Helvig, Lisbon
2,211 bls, Wicander & Co, Helvig, Lisbon
90 bls, Wicander & Co, Giulia, Algiers
CUBE ROOT—340 bls, Wessel, Duval & Co, Balfe, Iquitos
255 bls, Scholtz & Co, Balfe, Iquitos
435 bls, Eggers & Heinlein, Balfe, Iquitos
CUBEBS—24 bgs, Tweedbank, Singapore
CUTTLEFISH BONES—10 bdls, 5 straps, Vulcania, Trieste
250 cs, Excalibur, Marseilles
40 cs, Frank Vliet Co, Vulcania, Trieste
CYANIDE PRECIPITATES—16 cs, South American Development Co, Santa Barbara, Guayaquil
DRUGS—20 cs, Chase National Bank, American Farmer, London
DUTCH METAL—2 cs, B F Drakenfeld & Co, Europa, Bremen
DYES, ALIZARIN—75 cks, 7 dms, 1 cs, General Dyestuff Corp, Veendam, Rotterdam
26 cans, 6 cks, General Dyestuff Corp, Europa, Bremen
ANILIN—8 cks, General Dyestuff Corp, New York, Hamburg
1 cs, 1 ck, 1 dm, 4 jugs, General Dyestuff Corp, Veendam, Rotterdam
17 dms, Sandoz Chem Works, Europa, Bremen
114 dms, Ciba Co, Europa, Bremen
35 cks, 1 cs, General Dyestuff Corp, Europa, Bremen
15 cks, Geigy Co, Ile de France, Havre
27 cans, Ciba Co, Ile de France, Havre
15 cks, Carbic Color & Chem Co, Ile de France, Havre
DYESTUFF—3 cs, Mitsui & Co, Asakasan, Yokohama
DYEWOOD, CUTTED—11 bgs, Peek & Velsor, Vulcania, Trieste
EGG YOLK, HEN—112 cs, Bank of Manhattan, Hokkai, Tientsin
FILTER, COMP—100 bbls, 75 cs, H Reifenberg, New York, Hamburg
PAPER—1 bl, Aug Giese & Son, New York, Hamburg
5 cs, H Reeve, Angel & Co, American Farmer, London
FLAVORING EXTRACT — 10 cns, Fritzsche Bros, Washington, Hamburg
FLAXSEED — 3,048,000 kilos, 121,920 bus, Bunge North American Grain Co, Argentino, Diamantes
484,682 kilos, 19,387 bus, Southern Cross, Buenos Aires
326 bgs, 717 bus, Southern Cross, Buenos Aires
FLEASEED—230 bgs, Kachurin Drug Co, Excalibur, Marseilles
70 bgs, S B Penick & Co, Excalibur, Marseilles
87 bgs, Excalibur, Marseilles
731 bgs, Teesbank, Colombo
HUSK—52 bgs, Teesbank, Colombo
GAMBIER—425 cs, L Littlejohn & Co, Thurland Castle, Belawan Deli
54 cs, American Cyanamid & Chem Co, Thurland Castle, Belawan Deli, Singapore
GELATIN—17 cs, Dingelstedt & Co, New York, Hamburg
10 bgs, L H Lang, G Van Gelder, Washington, Hamburg
1 cs, H W Robinson, Ile de France, Havre
1 cs, Titan Shipping Co, Ile de France, Havre
100 bgs, 10 cks, Ile de France, Havre
1 cs, G Hirsch Sons, Ile de France, Havre
POWDERED—30 bbls, 1 cs, International Selling Corp, Koenigstein, Antwerp
170 bgs, Koenigstein, Antwerp
SHEET—4 cs, American Express Co, Black Falcon, Rotterdam
GLASS, WINDOW—1,061 cs, Vitrea Co, Washington, Hamburg
22 cs, Leo Popper & Son, Carinthia, Liverpool
71 cs, Banque Belge pour l'Etranger, Black Condor, Rotterdam
GLUE—40 bgs, 2 tons, 1 cwt, 8 lbs, G H Hemmel, Carinthia, Liverpool
CASEIN—1 cs, Wayne Leser, Scanpenn, Copenhagen
POWDERED—25 bgs, 1 cs, Rex & Reynolds, Excalibur, Marseilles
SHEET—55 bgs, Rex & Reynolds, Excalibur, Marseilles
100 bgs, Vulcania, Trieste
GLYCERIN—1 car, Procter & Gamble, Seatrain Havana, Havana
49 dms, American Express Co, Southern Cross, Buenos Aires
41 dms, Southern Cross, Buenos Aires
GRAPHITE—250 bgs, Tabinta, Tamatave
183 dms, W F Houghton, Veendam, Rotterdam
GREASE, WOOL—23 dms, 4 tons, 13 cwt, 2 qtrs, 21 lbs, Hummel Chem Co, Carinthia, Liverpool
50 dms, 10 tons, 9 cwt, 1 qtr, 25 lbs, Carinthia, Liverpool
GUM—58 bgs, Teesbank, Colombo
ARABIC—300 bgs, Thurston & Braidich, Teesbank, Port Sudan
ASAFOETIDA—21 pkgs, S B Penick & Co, Teesbank, Calcutta
BENZOIN—50 cs, W E Martin, Thurland Castle, Sibolga
COPAL—54 bskts, American Cyanamid & Chemical Co, Talisse, Wakde
82 bskts, American Cyanamid & Chemical Co, Talisse, Roemahkag
18 bskts, American Cyanamid & Chemical Co, Talisse, Seroei
10 bskts, American Cyanamid & Chemical Co, Talisse, Sarmi
100 bskts, O G Innes Corp, Talisse, Roemahkai
1 cs, Freedman & Slater, Talisse, Macassar
269 bskts, O G Innes Corp, Talisse, Macassar
66 bskts, Mitsui & Co, Talisse, Macassar
17 bskts, American Cyanamid & Chemical Co, Talisse, Macassar
205 bskts, O G Innes Corp, Siamese Prince, Macassar
34 bskts, S Winterbourne & Co, Siamese Prince, Macassar
187 bskts, American Cyanamid & Chemical Co, Siamese Prince, Macassar
162 bskts, G W S Patterson & Co, Siamese Prince, Macassar
68 bskts, France, Campbell & Darling, Siamese Prince, Macassar
330 bskts, Gillespie, Rogers, Pyatt Co, Siamese Prince, Macassar
220 bgs, American Cyanamid & Chemical Co, Black Condor, Antwerp
300 bgs, O G Innes Corp, Goenigstein, Antwerp
400 bgs, Koenigstein, Antwerp
DAMMAR—50 cs, S Winterbourne & Co, Talisse, Batavia
400 cs, Thurston & Braidich, Talisse, Batavia
176 cs, Talisse, Padang
210 bgs, O G Innes Corp, Talisse, Singapore
70 bgs, Manufacturers Trust Co, Tabinta, Singapore
50 cs, 140 bgs, France, Campbell & Darling, Siamese Prince, Singapore
208 bgs, Van Norden & Archibald, Siamese Prince, Macassar
210 bgs, G W S Patterson & Co, Thurland Castle, Singapore
140 bgs, 25 cs, France, Campbell & Darling, Thurland Castle, Singapore
210 bgs, Thurland Castle, Singapore
LOCUST BEAN—20 bgs, Paul A Dunkel & Co, Excalibur, Genoa
30 bgs, T M Duche & Sons, Excalibur, Genoa
25 bgs, Excalibur, Genoa
MASTIC—10 cs, Ionian Bank, Excalibur, Piraeus
PENDARE—10 bgs, Chicle Development Co, Southern Cross, Trinidad
SANDARAC—15 bbls, Executive, Casablanca
GYPSUM—2,200 tons, National Gypsum Co, Vaga, Dingwall
4,900 tons, U S Gypsum Co, Gypsum Empress, Windsor
6,400 tons, U S Gypsum Co, Gypsum King, Windsor
HEMPSEED—355 bgs, Mitsubishi-Shoji-Kaisha, Terukawa, Dairen
HERBS, MEDICINAL—1 cs, New York, Hamburg
3 bls, Peek & Velsor, Vulcania, Trieste
HOPS—30 cs, New York, Hamburg
3 ballots, Carl Ullman & Co, Hamburg, Hamburg
5 bls, Globe Shipping Co, Black Condor, Antwerp
INK, PRINTING—1 cs, Eugene Dietzgen Co, Baghdad, Hamburg
IRISH MOSS—50 bls, Ile de France, Havre
IRON ORE—325,453 kilos, Baghdad, Hamburg
40 tons, Cold Harbor, Liverpool
4 cks, 574 bgs, 40 dms, Reichard-Coulston Carinthia, Liverpool
OXIDE—62 cks, Robinson Wagner Co, Veendam, Rotterdam
20 cks, J Lee Smith & Co, Veendam, Rotterdam
ISINGLASS—10 cs, Richard Shipping Corp, American Farmer, London
JUNIPER BERRIES—50 bgs, 6,600 lbs, Giulia, Leghorn
LEECHES—5 cs, C Yacobettis, Schodack, Bordeaux
LICORICE ROOT—92 bls, 1 cs, Vulcania, Trieste
LITHOPONE—400 cks, Benj Moore & Co, Veendam, Rotterdam
MACE—62 cs, Catz American Co, Talisse, Macassar
19 cs, B H Old & Co, Siamese Prince, Macassar
MAGNESIA, CALCINED—35 cs, Schofield-Donald Co, Europa, Southampton
CARBONATE—2 cs, 50 bgs, 30 cks, Schofield-Donald Co, Carinthia, Liverpool
MAGNESIA, HYDRATE—30 cs, Schofield-Donald Co, Carinthia, Liverpool
MAGNESITE, CALCINED—40 bbls, Innis, Speiden & Co, Veendam, Rotterdam
MANGANESE MINERAL—2 cars, U N Ford, Seatrain Havana, Havana
MANGROVE BARK EXTRACT—1,000 bgs, Siamese Prince, Singapore
MANNA—20 cs, Executive, Palermo
MATCHES, SAFETY—3,400 conts, New York Match Co, Gripsholm, Gothenburg
MEDICINAL PREPS—2 cs, Italian Product Import Co, Rex, Genoa
5 cs, Ernst Bischoff Co, New York, Hamburg
3 cs, Burroughs, Welcome & Co, American Farmer, London
11 crtns, G J Fajardo, Coamo, San Juan
6 cs, G J Wallau, Ile de France, Havre
5 cs, E Fougera & Co, Ile de France, Havre
MENTHOL—1 cs, Allondon Bayonne Co, New York, Hamburg
9 cs, New York Quinine & Chem Works, American Farmer, London
25 cs, Corn Exchange Bank, Asakasan, Kobe
MICA—15 cs, Eugene Munsell & Co, Southern Cross, Rio de Janeiro
BLOCK—27 cs, Teesbank, Calcutta
SPLITTINGS—79 cs, Teesbank, Calcutta
14 cs, Gillespie-Rogers-Pyatt Co, Teesbank, Calcutta
MILK POWDER—35 cs, Nestles Milk Prod Co, Excalibur, Marseilles
MOLASSES—675,000 kilos, W R Grace & Co, Santa Barbara, Salaverry
7,500 tons, Comm'l Molasses Co, Athelsultan, Danzig
3,500 gls, Standard Brands, Athelsultan, Danzig
434,250 gls, Cuba Distilling Co, Catahoula, Guayaquil
554,900 gls, Chase National Bank, Catahoula, Manopla
MUSTARD SEED—200 bgs, 22,000 lbs, J M Bacharach, Executive, Catania
311 bgs, Old Dutch Mustard Co, Terukawa, Tientsin
NUTMEGS—7 bgs, Catz American Co, Talisse, Banda
55 bgs, Catz merican Co, Tabinta, Semarang
86 bgs, Lo Curto & Funk, Tabinta, Padang
30 bgs, Van Norden & Archibald, Siamese Prince, Macassar
OCHER—80 cks, Grace National Bank, Excalibur, Marseilles
34 cks, 320 bgs, Reichard Coulston, Excalibur, Marseilles
50 cks, Magnus, Mabee & Reynard, Ile de France, Havre
OIL—40 cs, American Farmer, London
BAY—36 cs, D Steengrafe, Emilia, Arroyo
BERGAMOT—25 cs, 1,100 lbs, Giulia, Messina
CADE—20 dms, Magnus, Mabee & Reynard, American Farmer, London
CAMPHOR—25 dms, Norda Essential Oil & Chem Co, Asakasam, Yokohama
28 dms, Fritzsche Bros, Asakasam, Yokohama
CASHEW—330 dms, 112 bbls, Teesbank, Cochin
CHINAWOOD—280 tons, S L Jones & Co, Tweedbank, Hongkong
300 tons, North American Grain Co, Tweedbank, Hongkong
64 tons, National City Bank, Tweedbank, Hongkong
157 tons, Bank of California Nat'l Ass'n, Tweedbank, Hongkong
CITRONELLA—8 dms, Talisse, Batavia
6 dms, Orbis Product Corp, Tweedbank, Colombo
10 dms, Dodge & Olcott Co, Tabinta, Colombo
49 dms, Barber S S Line, American Farmer, London
8 dms, Catz American Co, Siamese Prince, Batavia
32 cs, Horace J Hale, Siamese Prince, Batavia
COCONUT—500 tons, Pacific Vegetable Oil Co, Asakasan, Cebu
Quantity, Colgate-Palmolive-Peet Co, Asakasan, Cebu
412 tons, Pacific Vegetable Oil Corp, Siamese Prince, Cebu
473 tons, Bankers Trust Co, Siamese Prince, Manila
207 tons, Swift & Co, Siamese Prince, Manila
208 tons, Iowa Soap Works, Siamese Prince, Manila
302 tons, Wecoline Prod, Inc, Thurland Castle, Cebu
963 tons, Philippine Refg Corp, Asakasan, Cebu
COD—150 cks, Chace Export Co, Fort Amherst, St Johns
232 cks, Chace Export Co, Fort Townshend, St Johns
52 cks, Fred W Damon, Fort Townshend, St Johns
CORN—180 dms, Corn Product Refg Co, Cameronia, Glasgow
77,023 kilos, Black Falcon, Antwerp
38,054 kilos, Black Falcon, Rotterdam
COTTONSEED—223 dms, Balfe, Natal
ESSENTIAL—11 cs, New York, Hamburg
12 dms, Antigua, Porto Barrios
16 dms, 1 cs, Charles H Cramp, Mombasa
28 cs, 1 dm, Excalibur, Marseilles
5 cs, Washington, Basel
2 dms, Orizaba, Vera Cruz
2 cs, Europa, Bremen
9 cs, Ile de France, Havre
FISH—12 dms, Mitsui & Co, Hokkai, Yokohama
FISH LIVER — 94 dms, Vitamerican, Inc, Terukawa, Yokohama
FUEL—110,000 bbls, Standard Oil Co of N J, Peter Huell, Aruba
66,000 bbls, Standard Oil Co of N J, Pelter II, Aruba
90,000 bbls, Standard Oil Co of N J, Daghild, Aruba
96,000 bbls, Standard Oil Co of N J, Esso Aruba, Aruba
GERANIUM — 19 dms, 2 kgs, Charles H Cramp, Durban
LEMON—63 cs, Wells Fargo & Co, Express, Orizaba, Vera Cruz
LEMONGRASS—6 dms, Volkart Bros, Teesbank, Cochin
22 dms, Brown Bros, Harriman Co, Teesbank, Cochin
6 dms, Chase National Bank, Teesbank, Cochin
12 dms, Chemical Bank Trust Co, Teesbank, Cochin
18 dms, Teesbank, Cochin
LIME—8 cs, Dodge & Olcott Co, Southern Cross, Trinidad
LUBRICATING—30 dms, Koenigstein, Antwerp
6 bbls, Massee & Co, Koenigstein, Antwerp
MINERAL—200 dms, Heemsoth Kerner Corp, New York, Hamburg

OIL, NAPHTHENIC RESIDUE—2 cs, Shell Union Oil Corp, Executive, Constanza
OLIVE—35 cs, Rex, Naples
25 cs, Executive, Messina
100 cs, Executive, Palermo
200 dms, Leghorn Trading Co, Excalibur, Piraeus
475 cs, Excalibur, Leghorn
25 dms, J Udda & Co, Excalibur, Genoa
100 dms, Mamamia Import Co, Excalibur, Genoa
75 dms, Atlantic & Pacific Tea Co, Excalibur, Genoa
100 dms, Strohmeyer & Arpe Co, Excalibur, Genoa
25 dms, Antonio Corra, Excalibur, Genoa
15 dms, 100 demjs, L Rofumo, Excalibur, Genoa
15 demjs, Pastene & Co, Excalibur, Genoa
3,525 cs, Excalibur, Genoa
25 dms, Acierno Bros, Excalibur, Marseilles
5 dms, J P Smith & Co, Excalibur, Marseilles
204 cs, Excalibur, Marseilles
300 dms, Smith Wehman Co, Helvig, Piraeus
1,235 cs, 32 dms, Giulia, Leghorn
100 cs, Giulia, Messina
26 cks, 79 cs, Giulia, Palermo
25 bbls, Sunola Trading Corp, Giulia, Algiers
1,100 cs, Giulia, Seville
266 cs, Vulcania, Palermo
PALM—422 dms, Balfour, Guthrie & Co, New York, Hamburg
1,020 tons, Van Leeuwen, Boomkamp Co, Talisse, Belawan Deli
quantity, Banque Belge Pour L'Etranger, Siamese Prince, Colombo
PERILLA—225 tons, Bank of California, N A, Hokkai, Dairen
206 tons, Mitsubishi Shoji Kaisha, Hokkai, Dairen
ROSE—3 cs, Freedman & Slater, Europa, Bremen
ROSEWOOD—29 dms, Balfe, Manaos
SASSAFRAS—37 dms, Ungerer & Co, Asakasan, Kobe
TEASEED—150 dms, Bank of California, N A, Tweedbank, Hongkong
ORRISROOT—14 bgs, 2,310 lbs, Giulia, Leghorn
ORANGE FLOWER WATER—4 cs, Ionian Bank, Excalibur, Piraeus
PAINT—5 dms, C H Powell & Co, American Farmer, London
PALMKERNEL—5,420 bgs, Thurland Castle, Belawan Deli
PAPAIN—14 half chests, Dodwell & Co, Siamese Prince, Colombo
PAPRIKA—10 cs, E E Marks & Co, New York, Hamburg
100 bgs, Van Loan & Co, New York, Hamburg
65 bgs, Washington, Hamburg
170 bgs, Vulcania, Trieste
PARAFFIN—15,384 bgs, Asiatic Petroleum Corp, Talisse, Balik Papan
PATCHOULI LEAVES—199 bgs, Tweedbank, Singapore
38 bls, Volkart Bros, Thurland Castle, Penang
PEATMOSS—1,558 bls, New York, Hamburg
200 bls, New Amsterdam Import Supply Co, Black Falcon, Rotterdam
200 bls, Premier Peatmoss Corp, Washington, Hamburg
100 bls, Half Moon Mfg Trading Co, Black Condor, Rotterdam
PEPPER, BLACK—1,755 bgs, Tweedbank, Batavia
204 bgs, Stein, Hall & Co, Tweedbank, Batavia
1,850 bgs, Tweedbank, Oosthaven
250 bgs, A G Dunn, Thurland Castle, Oosthaven
1,650 bgs, Thurland Castle, Oosthaven
WHITE—252 bgs, Talisse, Singapore
515 bgs, Catz American Co, Siamese Prince, Pangkal Pinang
PETROLEUM, CRUDE—121,147 bbls, Standard Oil Co of N J, G W McKnight, Guiria
PHOSPHORUS, RED—10 cs, Mitsui & Co, Asakasan, Kobe
PLANTS, DRIED—80 bls, New York, Hamburg
POPPYSEED—100 bgs, 11,000 R L Friedler, Veendam, Rotterdam
100 bgs, 11,000 lbs, Levy & Levis Co, Veendam, Rotterdam
200 bgs, 22,000 lbs, C M Van Sillevoldt, Veendam, Rotterdam
100 bgs, 11,000 lbs, Veendam, Rotterdam
POTASH, CHLORATE—750 dms, J H Schroeder Banking Corp, New York, Hamburg
MURIATE—250 bgs, N V Potash Export Mij, Koenigstein, Antwerp
SULPHATE—20 bgs, N V Potash Export Mij, New York, Hamburg
POTATO DEXTRIN—50 bgs, Stein, Hall & Co, Black Falcon, Rotterdam
PYRETHRUM FLOWERS—13 bls, Charles H Cramp, Dar Salaam
100 bls, Charles H Cramp, Mombasa
142 bls, Vulcania, Trieste
PYRITES—7,598,600 kilos, Pyrites Co, Hagelside, Huelva
QUEBRACHO EXTRACT—1,500 bgs, International Prod Corp, Southern Cross, Buenos Aires
QUINCE SEED—20 bls, Excalibur, Haifa
RESIN—91 cs, San Domingo & Co, Balfe, Iquitos
ROOT MEDICINAL—40 bls, New York, Hamburg
1 bl, Vulcania, Trieste
ROSIN—10 cs, Vulcania, Trieste
SAFFLOWER—25 bgs, Teesbank, Port Said
SAFFRON FLOWERS—16 bundles, Orizaba, Vera Cruz
SAGE LEAVES—38 bls, E E Marks & Co, Vulcania, Dubrovnik
SAGO FLOUR—1,600 bgs, W R Grace & Co, Tweedbank, Singapore
2,330 bgs, Tweedbank, Singapore
SARSAPARILLA ROOT—9 bls, Chiriqui, Havana
SAWDUST—689 bgs, State Chem Co, Veendam, Rotterdam
SESAME SEED—112 bgs, S K Adams, Santa Elena, Cristobal
SHELLAC—5 cs, A Hurst & Co, New York, Hamburg
2 cs, American Farmer, London
100 bgs, Ralli Bros, Teesbank, Calcutta
SHELLAC—100 bgs, Teesbank, Calcutta
46 cs, A Hurst & Co, Veendam, Rotterdam
SEEDLAC—400 bs, Bank of London South America, Teesbank, Calcutta
400 bgs, Wm Zinsser & Co, Teesbank, Calcutta
SOAP BARK—200 bls, W R Grace & Co, Santa Barbara, Valparaiso
SOAP—630 cs, Conti Product Corp, Excalibur, Leghorn
100 cs, Comm'l Bank of Greece, Helvig, Candia
8 cs, Lo Curto & Funk, Ile de France, Havre
COMMON—50 cs, W E Martin, Vulcania, Trieste
SADDLE—50 cs, American Farmer, London
50 cs, Salomon & Philip, American Farmer, London
TOILET—12 cs, Lehn & Fink Prod Co, American Farmer, London
1 cs, American Farmer, London
SODA, CYANIDE—750 dms, American Cyanamid & Chem Co, Washington, Hamburg
330 dms, Charles Hardy, Ile de France, Havre
HYDROSULPHITE — 40 cks, New York, Hamburg
PRUSSIATE—203 kgs, Hokkai, Osaka
SULPHATE—200 bgs, Advance Solvents & Chem Co, Koenigstein, Antwerp
URANATE YELLOW—70 dms, Central Trading Corp, Koenigstein, Antwerp
SOLVENTS—300 dms, C P Chemical Solvents, Emilia, Ponce
300 dms, P R Alcohol Co, Emilia, San Juan
SPONGES—9 bls, American Exprese Co, Orizaba, Havana
13 bls, Orizaba, Havana
REFUSE—3 bls, Johns-Manville Corp, Chiriqui, Havana
STARCH, RICE—168 bbls, Stein, Hall & Co, Black Condor, Antwerp
SULPHIDES, METALLIC—86 dms, Hydro Eng & Chem Co, Esso Aruba, Aruba
SUMAC—350 bgs, Executive, Palermo
TALC—300 bgs, C B Chrystal & Co, Schodack, Bordeaux
400 bgs, Whittaker, Clark & Daniels, Schodack, Bordeaux
700 bgs, L A Salomon & Bros, Schodack, Bordeaux
10 cs, Binney & Smith Co, Schodack, Bordeaux
TAMARINDS—110 cks, Teesbank, Calcutta
TANKAGE—4,638 bgs, Argentino, Santos
TANNING MATERIAL — 5 cs, New York, Hamburg
TAPIOCA FLAKE—1,343 bgs, Stein, Hall & Co, Talisse, Sourabaya
110 bgs, Chase Natl Bank, Talisse, Cheribon
FLOUR—4,285 bgs, Stein, Hall & Co, Talisse, Sourabaya
250 bgs, Chase Natl Bank, Talisse, Cheribon
500 bgs, National Adhesive Corp, Talisse, Cheribon
3,021 bgs, Stein, Hall & Co, Talisse, Cheribon
393 bgs, Stein, Hall & Co, Talisse, Batavia
700 bgs, Chase Natl Bank, Talisse, Batavia
50 bgs, Rutger, Bleecker & Co, Talisse, Belawan Deli
2,240 bgs, Chase Natl Bank, Tweedbank, Pasoeroean
100 bgs, Seligman & Co, Tweedbank, Sourabaya
1,430 bgs, Stein, Hall & Co, Tweedbank, Cheribon
499 bgs, Central Hanover Bank, Tweedbank, Batavia
100 bgs, Stein, Hall & Co, Tweedbank, Batavia
50 bgs, Seligman & Co, Tabinta, Sourabaya
274 bgs, Stein, Hall & Co, Tabinta, Sourabaya
250 bgs, Stein, Hall & Co, Tabinta, Tjilatjap
550 bgs, Chase Natl Bank, Tabinta, Cheribon
500 bgs, Chase Natl Bank, Tabinta, Batavia
100 bgs, Catz American Co, Siamese Prince, Batavia
252 bgs, Seligman & Co, Thurland Castle, Batavia
500 bgs, Stein, Hall & Co, Thurland Castle, Batavia
1,080 bgs, Chase Natl Bank, Thurland Castle, Pasoeroean
PEARL—335 bgs, Stein, Hall & Co, Talisse, Sourabaya
SEED—106 bgs, H P Winter & Co, Talisse, Cheribon
TARTAR—1,604 bgs, Charles Pfizer & Co, Executive, Oran
386 bgs, Charles Pfizer & Co, Excalibur, Marseilles
87 bgs, Standard Brands, Excalibur, Marseilles
205 bgs, Standard Brands, Giulia, Algiers
THYME LEAVES—43 bls, S B Penick & Co, Excalibur, Marseilles
20 bls, Durkee Famous Food, Excalibur, Marseilles
TIMBO ROOT, POWD—302 cs, Balfe, Para
160 cs, S B Penick & Co, Balfe, Manaos
TINTORIAL EXTRACT—100 cs, American Dyewood Co, Ile de France, Havre
TONKA BEANS—6 cks, Southern Cross, Trinidad
TUBA ROOT—39 bls, S B Penick & Co, Siamese Prince, Singapore
UMBER BURNT—40 cks, A J Bracher & Co, Excalibur, Alexandria
VALONIA CUPS—2,150 bgs, Tannin Corp, Helvig, Izmir
2,115 bgs, J A Barkey, Helvig, Izmir
VANADIUM—9,400 bgs, Vanadium Corp, Santa Barbara, Callao
VANILLA BEANS—25 cs, Dodge & Olcott Co, Excalibur, Marseilles
21 cs, Integrity Trust Co, Excalibur, Marseilles
22 cs, Guaranty Trust Co, Excalibur, Marseilles
75 cs, Excalibur, Marseilles
47 cs, Thurston & Braidich, Orizaba, Vera Cruz
24 cs, Dodge & Olcott Co, Orizaba, Vera Cruz
11 cs, Ile de France, Havre
9 cs, Thurland Castle, Batavia
VARNISH—1 cs, Austin Baldwin & Co, American Farmer, London
WATER, MINERAL—200 cs, D F Young, American Farmer, London
100 cs, Lansen Naeve Corp, American Farmer, London
60 cs, Werckle & Galgano, Black Condor, Antwerp
140 pkgs, Irving Trust Co, Vulcania, Trieste
WATTLE BARK—5,656 bls, Hammond & Carpenter, Charles H Cramp, Durban
WAX, BEES—54 bgs, Chiriqui, Havana
19 bgs, Excalibur, Alexandria
10 bgs, Curacao Trading Co, Coamo, Trujillo
MINERAL—30 bgs, General Dyestuff Corp, Veendam, Rotterdam
MONTAN—1,125 bgs, Strohmeyer & Arpe Co, New York, Hamburg
MOULDING—10 cs, Phoenix Shipping Co, New York, Hamburg
OZOKERITE—20 bgs, Strahl & Pitsch, Vulcania, Trieste
85 bgs, Strohmeyer & Arpe Co, Vulcania, Trieste
VEGETABLE—8 bgs, Argentino, Bahia
200 cs, Strohmeyer & Arpe Co, Asakasan, Kobe
YEAST—70 bbls, Vulkan Yeast Co, New York, Hamburg
200 bbls, New York, Hamburg
ZINC OXIDE—10 cs, C L Huisking & Co, American Farmer, London
25 bbls, Philipp Bros, Koenigstein, Antwerp
ZINC AMMONIA CHLORIDE—2 cks, American Cyanamid & Chemical Co, Koenigstein, Antwerp

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New York Transit Imports

BLANC FIXE—40 cks, Holland American Line, Veendam, Rotterdam, Rochester
CORKWASTE—305 bls, Bond Mfg Corp, Helvig, Lisbon, Wilmington
DRUGS—54 bgs, Parke, Davis & Co, New York, Hamburg, Detroit
GLASS, WINDOW—15 cs, Eastman Kodak Co, Black Condor, Antwerp, Rochester
MOLASSES—764,677 gls, Commi Molasses Co, Castana, La Grande, Albany
OIL, CHINAWOOD—200 tons, Spencer Kellogg & Sons, Tweedbank, Hongkong, Buffalo
PAPAIN—130 cs, American Ferment Co, Tweedbank, Colombo, Buffalo
SPONGES—47 bls, Orizaba, Havana, Amsterdam
4 bls, Orizaba, Havana, Buenos Aires
8 bls, Orizaba, Havana, Paris
6 bls, Orizaba, Havana, Boston
REFUSE—3 bls, Orizaba, Havana, Buenos Aires
5 bls, Orizaba, Havana, Paris
VANILLA BEANS—23 cs, M Cortizas Co, Orizaba, Vera Cruz, Philadelphia

Baltimore Imports

AMMONIA PHOSPHATE — 19,600 bgs, Black Gull, Antwerp
BARIUM HYDRATE—40 cks, Vincente, Hamburg
BONE PHOSPHATE — 280 bgs, Black Gull, Antwerp
CHEMICALS—100 cks, Bilderdijk, Rotterdam
20 cks, Black Gull, Antwerp
CHROME ORE—1,109 tons, Philadelphia National Bank, Challenger, Lourenco Marques
FERROMANGANESE — 201 tons, Bilderdijk, Rotterdam
FERTILIZER—1,080 bgs, Mormacsea, Copenhagen
FLUORSPAR—950 tons, Cypria, St Raphael
GLYCERIN, DYNAMITE — 42 dms, Vincent, Hamburg
IRON ORE—22,500 tons, Bethlehem Steel Co, Marore, Cruz Grande
22,300 tons, Bethelehem Steel Co, Svealand, Cruz Grande
LIVERMEAL—1,000 bgs, Black Gull, Antwerp
LOGWOOD—1,300 tons, J S Young Co, Doris Hamlin, Cape Haitien
MANGANESE DIOXIDE — 320 bgs, Amtorg Trading Corp, Torvanger, Poti
ORE—9,200 tons, Amtorg Trading Corp, Torvanger, Poti
7,850 tons, Maria Stathatos, Poti
MEDICINAL PREPS—25 cs, Bilderdijk, Rotterdam
OIL, FUEL—26,000 bbls, Standard Oil Co of N J, Allan Jackson, Aruba
LUBRICATING—100 dms, Black Gull, Antwerp
OLIVE—4 cs, Cypria, Marseilles
PEATMOSS—790 bls, Bilderdijk, Rotterdam
PETROLEUM, CRUDE—42,000 bbls, Standard Oil Co of N J, Allan Jackson, Aruba
68,000 bbls, Mexican Petroleum Corp, Franklin K Lane, Las Piedras
48,000 bbls, Standard Oil Co of N J, Housatonic, Aruba
POTATO, DEXTRIN—200 bgs, Bilderdijk, Rotterdam
POTASH KAINIT—181 tons, Bilderdijk, Rotterdam
MURIATE—274 tons, Bilderdijk, Rotterdam
PYRITES—5,500 tons, Huntress, Huelva
WATTLE BARK—275 bls, Tannin Corp, Challenger, Durban

Boston Imports

ACID, CRESYLIC—50 dms, 10 tons, 19 cwt, 1 qtr, 22 lbs, Carinthia, Liverpool
STEARIC—30 triple bgs, 2 tons, 6 cwt, 2 qtrs, 5 lbs, Carinthia, Liverpool
ANTIMONY SULPHIDE—10 cks, 1 ton, 6 cwt, 1 qtr, 21 lbs, Wishnick-Tumpeer, Carinthia, Liverpool
ARSENIC—75 dms, 35,053 lbs, Excalibur, Marseilles
BRONZE POWDER—6 cs, 3,342 lbs, Trans-Seas Shipping Co, Chemnitz, Hamburg
CASEIN—13 sacks, Port Montreal, Auckland
CHEMICALS—600 dbl bgs, 133,599 lbs, Philip Bauer Co, Chemnitz, Hamburg
250 bgs, 55,115 lbs, Stone & Downer, Chemnitz, Hamburg
150 bgs, 33,069 lbs, Chemnitz, Hamburg
3 cans, 2 dms, Chemnitz, Bremen
COCOA BEANS—727 bgs, Balfour, Guthrie & Co, New Colombia, Lagos
6,400 bgs, Balfour, Guthrie & Co, New Colombia, Addah
9,600 bgs, Balfour, Guthrie & Co, New Colombia, Accra
800 bgs, Balfour, Guthrie & Co, New Colombia, Winneba
5,600 bgs, Balfour, Guthrie & Co, New Colombia, Takoradi
250 bgs, Hokkai, Cristobal
10,000 bgs, 1,322,760 lbs, Wessels, Kulenkampff & Co, Rio Branco, Ilheos
3,500 bgs, 462,966 lbs, Nieschlag & Co, Rio Branco, Ilheos
1,000 bgs, 132,276 lbs, National City Bank, Rio Branco, Ilheos
3,000 bgs, 396,828 lbs, General Cocoa Co, Rio Branco, Bahia
1,500 bgs, 198,414 lbs, W R Grace & Co, Rio Branco, Bahia
EMERY FILLET—3 cs, Joseph Sykes Bros, Carinthia, Liverpool
FISH LIVERS—1 cs, J A Rich, Evangeline, Yarmouth
427 tins, Atlantic Coast Fisheries Export Corp, Hokkai, Yokohama
85 tins, from Japan
GAMBIER, BLOCK—53 cs, Chase National Bank, Siamese Prince, Singapore
CUBE—70 bgs, Littlejohn & Co, Siamese Prince, Singapore
GASOLINE—7 flasks, Chemnitz, Bremen
GLUESTOCK, FISH—5 bxs, J R Poole Co, Yarmouth, Yarmouth
LEAVES, VINE—75 cs, 4,134 lbs, National Bank of Greece, Excalibur, Piraeus
MEDICINAL PREPS—14 cs, United Drug Co, Carinthia, Liverpool
MICA SPLITTINGS—10 cs, National City Bank, Teesbank, Calcutta
MYROBALAN EXTRACT, POWD—100 bgs, 5 tons, Carinthia, Liverpool
OCHER—15 cks, 9,197 lbs, Excalibur, Marseilles
OIL, CODLIVER—14 bbls, Chemnitz, Bremen
FUEL—24,000 bbls, 1,008,000 gls, Colonial Beacon Oil Co, Beaulieu, Aruba
GAS—4 pkgs, Chemnitz, Bremen
OLIVE—117 cs, 12,276 lbs, Excalibur, Genoa
PALM—66 dms, 34 cks, 407 tons, Balfour, Guthrie & Co, New Columbia, Abonema
307 tons, Balfour, Guthrie & Co, New Columbia, Port Harcourt
PARAFFIN—5 bbls, Chemnitz, Bremen
PEANUTS—300 bgs, Bank of Montreal, Hokkai, Dairen
PEATMOSS—520 bgs, Robert Gair, Chemnitz, Bremen
3,129 bgs, T D Downing Co, Chemnitz, Bremen
500 bls, Atkins & Durbrow, Chemnitz, Bremen
300 bls, L E Page Co, Chemnitz, Bremen
950 bls, Chemnitz, Bremen
PEPPER, BLACK—250 bgs, Tweedbank, Oosthaven
PETROLEUM, CRUDE—35,268 bbls, 5,327 tons, Colonial Beacon Oil Co, Beaulieu, Las Piedras
POTASH, CHLORATE—550 dms, 132,166 lbs, J Henry Schroeder Bankin Corp, Chemnitz, Hamburg
SAGO FLOUR—30 bgs, Tweedbank, Singapore
SEAWEED, DRIED, POWD—2 sacks, 2 cwt, 2 lbs, American Express Co, Carinthia, Liverpool
SHELLAC—20 dbl bgs, 3,369 lbs, J Henry Schroeder Banking Corp, Chemnitz, Hamburg
SILICOFLUORIDE—1 can, Chemnitz, Bremen
SOAP, TOILET—2 cs, American Express Co, Carinthia, Liverpool
SODA, BISULPHITE—50 dms, 23,589 lbs, West Cusseta, Dunkirk
HYPOSULPHITE—150 bgs, 33,069 lbs, West Cusseta, Dunkirk
TALC—100 bgs, 22,046 lbs, Whittaker, Clark & Daniels, Excalibur, Marseilles
160 bgs, 22,046 lbs, L A Salomon & Bro, Excalibur, Marseilles
TAPIOCA FLOUR—1,103 bgs, General Foods Corpn, Tweedbank, Pasoeroean
11 bgs, Tweedbank, Cheribon
112 bgs, Seligman & Co, Siamese Prince, Pasoeroean
WATER, MINERAL—80 cs, 18,739 lbs, S S Pierce Co, West Cusseta, Havre
10 cs, 2,138 lbs, William B Miller, Cusseta, Havre
WAX, SHOEMAKERS'—1 cs, McLaughlin & Freeman, Carinthia, Liverpool
WOOD PRESERVATIVE—4 dms, 4 cwts, 12 lbs, Cuprinol, Inc, Carinthia, Liverpool

Houston Imports

AMMONIA SULPHATE—508 bgs, Wilkins & Biehl, Vermont, Antwerp
BONE CHARCOAL DUST, SPENT—160 bgs, Wilkins & Biehl, Luebeck, Hamburg
CHEMICALS—241 dms, Wilkins & Biehl, Vermont, Antwerp
MUSTARD—10 cs, Wilkins & Biehl, Vermont, Antwerp
SOAP, SADDLE—1 cs, Texas Transport & Terminal Co, Boschdijk, Rotterdam
SODA, CHLORATE—1,000 dms, Wilkins & Biehl, Luebeck, Hamburg
WATER, REDISTILLED—4 cs, Wilkins & Biehl, Luebeck, Hamburg

Los Angeles Imports

AGAR AGAR—5 bls, Yamabiko, Kobe
AMMONIA SULPHATE—3,000 bgs, 300,160 lbs, Kingsley, Trail
ARSENIC, WHITE—400 cs, 44,800 lbs, Terukawa, Yokohama
CAKE MEAL—2,000 bgs, 200,000 lbs, Yamabiko, Kobe
CAMPHOR—4 lbs, Hokkai, Yokohama
CHEMICAL COMPOUND—600 lbs, Terukawa, Yokohama
SALT—1,010 lbs, Yamabiko, Tokio
CHILLIES—3,300 lbs, Tosei, Kobe
COALTAR PRODUCT—10 lbs, Yamabiko, Kobe
COCONUT, DESIC—581 cs, 81,340 lbs, Toulouse, Manila
2,345 cs, 345,110 lbs, Granville, Manila
412 cs, 61,800 lbs, Granville, Philippine Islands
COPRA MEAL—24,920 lbs, 2,492,000 lbs, Silverbelle, Manila
CRYOLITE—265 bgs, 33,130 lbs, Weser, Dresden
EXTRACT—2,240 lbs, Narenta, London
FISH LIVERS—1,523 tins, 60,200 lbs, Asakasan, Yokohama
76 tins, 3,040 lbs, Asakasan, Japan
GELATIN, EDIBLE—7,990 lbs, Narenta, Rotterdam
GINGER ROOT—750 lbs, Terukawa, Tokio
GLASS, SHEET—3,200 lbs, Weser, Brussels
3,660 lbs, Antigues, Brussels
INK—10 lbs, Hokkai, Yokohama
INSECTICIDE—600 lbs, Taiyo, Kobe
IRON OXIDE—137 bbls, 66,450 lbs, Rialto, Malaga
MACE—2,200 lbs, Silverbelle, Sourabaya
MEDICINAL PREPS—50 lbs, Asakasan, Kobe
450 lbs, Hokkai, Yokohama
MUSTARD, PREPD—4,020 lbs, Narenta, London
320 lbs, Yamabiko, Kobe
NUTMEGS—36 bgs, 6,980 lbs, Hoegh Silverstar, Dutch East Indies
1,090 bgs, Silverbelle, Banda
OCHER—10 bbls, 5,690 lbs, Rialto, Marseilles
OIL, CHINAWOOD — 117,000 lbs, Toulouse, Hongkong
300 dms, 120,000 lbs, Granville, Hongkong
CODLIVER—100 bbls, 22,500 lbs, Benjamin Franklin, Bergen
COTTONSEED—621 tons, 1,391,350 lbs, Yamaura, Sao Paulo
COTTONSEED, EMI REFD—621,970 lbs, Yamabiko, Osaka
EUCALYPTUS — 2,230 lbs, Mariposa, Melbourne
MINERAL—80,000 lbs, Weser, Copenhagen
OLIVE—25 dms, 11,020 lbs, Rialto, Marseilles
25 dms, 10,840 lbs, Rialto, Tunis
100 dms, 43,850 lbs, from France
PALM—2,140,200 lbs, Silverbelle, Medan
PAPRIKA—2,970 lbs, San Francisco, Valencia
7,230 lbs, Weser, Budapest
PEATMOSS — 1,350 bls, 212,800 lbs, Weser, Bremen
PEPPER, BLACK—225 bgs, 34,200 lbs, Silverbelle, Dutch East Indies
POPPYSEED—5,500 lbs, Narenta, Haarlem
POTASH, CRYSTALS—16 cks, 11,400 lbs, Narenta, Frankfort
RICE FLOUR—960 lbs, Terukawa, Yokohama
50 lbs, Asakasan, Kobe
300 lbs, Yamabiko, Yokohama
SARDINE MEAL—1,000 bgs, 100,350 lbs, Yamabiko, Kobe
SEAWEEDS—100 lbs, Terukawa, Tokio
850 lbs, Terukawa, Yokohama
200 lbs, Asakasan, Yokohama
200 lbs, Asakasan, Kobe
250 lbs, Yamabiko, Kobe
SESAME SEED—380 lbs, Terukawa, Yokohama
SOAP—80 lbs, Hokkai, Yokohama
SOFT—3,310 lbs, Benjamin Franklin, Oslo
SODA, CYANIDE—500 pkgs, 112,000 lbs, Narenta, Basel
SILICOFLUORIDE — 3,310 lbs, Narenta, Hamburg
SOYBEAN—500 lbs, Yamabiko, Kobe
300 lbs, Yamabiko, Yokohama
STARCH—300 lbs, Yamabiko, Yokohama
POTATO—490 lbs, Yamabiko, Kobe
TAPIOCA FLOUR—109 bgs, 22,280 lbs, Silverbelle, Sourabaya
TAR PRODUCTS—40 lbs, Hokkai, Yokohama
TOILET PREPS—250 lbs, Terukawa, Tokio
200 lbs, from Paris
150 lbs, Asakasan, Yokohama
140 lbs, Yamabiko, Kobe
80 lbs, Hokkai, Yokohama
WASHING POWDER—10 lbs, Hokkai, Yokohama
YEAST—256 pkgs, 3,090 lbs, Narenta, Stockholm

Mobile Imports

BAUXITE ORE, CRUSHED & DRIED—2,780 tons, Aluminum Line. Nea, Paramaribo

New Orleans Imports

COCOA BEANS—350 sx, Fruit Dispatch Co, Sixaola, Bocas del Toro
COPRA—5,639 tons, Procter Gamble Trading Co, Anubis, Cebu
OCHER—800 sx, Wm Rueff, Recca, Marseilles
OIL, OLIVE—905 cs, 25 dms, Cardonia, Seville
50 dms, Recca, Marseilles
260 cs, Ida Z O, Genoa
180 cs, 150 dms, Ida Z O, Leghorn
ORANGE FLOWER WATER—5 cs, Cardonia, Seville
SYRUP, FRUIT—510 cs, Whitney Bank, Ida Z O, Leghorn
TALC—2,000 sx, Ida Z O, Genoa
VANILLA BEANS—58 cs, Morazan, Vera Cruz
ZINC OXIDE—100 bbls, Orbis Products Co, Recca, Marseilles

Norfolk Imports

FERTILIZER—1,994 bgs, 126 tons, 18 cwts, Liberty, Hull
NITROGENOUS—1,177 bgs, Spaarndam, Rotterdam
GUM, INDUSTRIAL—60 csks, 14 tons, 17 cwts & 1 qtr, J P Maston Co, Boston, Quaker City, Liverpool
LEATHER WASTE—536 bgs, 56,000 lbs, Vincent, London
PEATMOSS—200 bls, Vincent, Oslo
200 bls, Vincent, London
SOAP, COMMON—5 cs, 730 lbs, F Gaskell & Co, Vincent, London
STARCH, POTATO—500 bgs, Stein, Hall & Co, N Y, Spaarndam, Rotterdam
TAPIOCA FLOUR—50 bgs, Spaarndam, Rotterdam

Philadelphia Imports

ACIDS, ILLIPE OIL—30 bbls, Bilderdijk, Rotterdam
AMMONIA SULPHATE—1,350 bgs, Bilderdijk, Rotterdam
CARAWAY SEED—50 bgs, Bilderdijk, Rotterdam
CHEMICALS—735 bgs, Chemitz, Bremen
154 bgs, Chase National Bank, Bilderdijk, Rotterdam
50 bbls, Bilderdijk, Rotterdam
100 cks, Bilderdijk, Rotterdam
25 dms, Bilderdijk, Rotterdam
150 cks, F A Kertess, Chemnitz, Hamburg
CHINA CLAY—601 tons, 17 cwt, Moore & Munger, Ada, Fowey
773 tons, 14 cwt, English China Clay Sales Corp, Ada, Fowey
1,812 bgs, English China Clay Sales Corp, Ada, Fowey
STONE, GROUND—51 tons, 13 cwt, English China Clay Sales Corp, Ada, Fowey
CLAY, BALL—100 tons, English China Clay Sales Corp, Ada, Fowey
BLUE—160 tons, Moore & Munger, Ada, Fowey
COCOA BEANS—3,018 bgs, W & A Leaman, Bilderdijk, Rotterdam
SWEEPINGS—2 bgs, W & A Leaman, Bilderdijk, Rotterdam
COLOR—1 cs, Wm J Jones & Co, Bilderdijk, Rotterdam
RED EARTH—5 cks, Bilderdijk, Rotterdam
CORK—13,521 bls, Armstrong Cork Co., Mongioia, Collo
4,263 bls, Armstrong Cork Co., Mongioia, Djidjelli
WASTE—819 bls, Manufacturers Trust Co, Cypria, Lisbon
DRUGS—1 cs, J A Steer & Co, Chemnitz, Bremen
ETHYLENE DIBROMIDE—76 dms, Howe Importing Co, Chemnitz, Hamburg
FERRO CHROME—10 cs, Uddeholm Co of America, Korsholm, Gothenburg
MANGANESE — 254,000 kilos, Scanpenn, Gdynia
152,776 kilos, Wm H Muller, Bilderdijk, Rotterdam
GLYCERIN—20 dms, Scanpenn, Copenhagen
40 dms, Cypria, Marseilles
IRON ORE, CHROME BEARING—5,000 tons, U S Vanadium Corp, Skramstad, Sabang
LICORICE ROOT—6,000 bls, McAndrews & Forbes Co, Torvange, Poti
33,987 tons, McAndrews & Forbes Co., Torvanger, Poti
MAGNESITE, CALC—82 bbls, Bilderdijk, Rotterdam
MANGANESE OXIDE—3 cs, Foote Mineral Co, Cypria, Casablanca
MOLASSES—5,597 tons, Cerinthus, Vera Cruz
1,400,000 gls, Carrebulle, Matanzas
OIL, CORN—121,511 kilos, Bilderdijk, Rotterdam
PEANUT—50 dms, Bilderdijk, Rotterdam
OLIVE—118 dms, H J Heinz, Examelia, Seville
PEATMOSS—1,200 bls, Chemnitz, Bremen
50¼ bls, Chemnitz, Bremen
500 bls, Bilderdijk, Rotterdam
PETROLEUM CRUDE—115,839 bbls, Gulf Oil Corp, Gulfhawk, Las Piedras
92,452 bbls, Gulf Oil Corp, Gulfwax, Las Piedras
107,829 bbls, Gulf Oil Corp, Gulfbird, Las Piedras
83,937 bbls, Atlantic Refining Co, R P Resor, Las Piedras
POPPYSEED—50 bgs, Bilderdijk, Rotterdam
POTASH MURIATE—450,000 kilos, N V Potash Export Mij, Chemnitz, Bremen
POTATO STARCH—100 bgs, Bilderdijk, Rotterdam
PYRITES ORE—6,840 tons, Leo Dawson, Huelva
RED OXIDE—228 bbls, F B Vandegrift & Co, Chemnitz, Bremen
TAPIOCA FLAKE DUST—133 bgs, National City Bank, Glaucus, Sourabaya
FLOUR—507 bgs, Glaucus, Cheribon
WATER, MINERAL—60 cs, E & J Burke & Co, Cypria, Marseilles

Portland, Ore., Imports

IRON SAND—20 sks, Bailey Co, Pacific Shipper, Glasgow
ISINGLASS—1 bl, M Furaya Co, Tosei, Kobe
OIL, CHINAWOOD—35 dms, D Hecht & Co, Dagmar Salen, Hongkong
CODLIVER—55 dms, Kinney Shipping Co, Benjamin Franklin, Oslo
PEANUTS, SHELLED—750 sks, M S Cowen Co, Hoegh Silverstar, Manila
TANKAGE, GROUND—500 sks, Brandanger, Buenos Aires

San Francisco Imports

ALBUMEN, DUCK—28 cs, Habicht, Braun & Co, President Coolidge, Hongkong
EGG, HEN—56 cs Habicht, Braun & Co, President Coolidge, Hongkong
CARAWAY SEED—50 sks, Narenta, Rotterdam
CASSIA—100 bls, S L Jones & Co, President Coolidge, Hongkong
BARK, BROKEN—86 sks, Philadelphia National Bank, President Coolidge, Hongkong
BUDS—200 cs, B H Old & Co, President Coolidge, Hongkong
CHEMICALS—100 dms, Narenta, Rotterdam
CHINA CLAY—48,060 kilos, Narenta, Rotterdam
CINNAMON QUILLS—50 bls, D Hecht & Co, President Coolidge, Hongkong
COCOA BEANS—250 sks, Gracia, Liverpool
250 sks, W R Grace & Co, Narenta, Cristobal
250 sks, Narenta, Cristobal
COCONUT, DESIC—875 cs, J E Lowden, President Coolidge, Manila
125 cs, M S Cowen Co, President Coolidge, Manila
1,804 cs, General Foods Sales Co, President Coolidge, Manila
1,680 cs, Durkee Famous Foods, President Coolidge, Manila
1,074 cs, Philippine Desiccated Coconut Corp, President Coolidge, Manila
1,500 cs, Wood & Selick, President Coolidge, Manila
197 cs Philippine Desiccated Coconut Corp, President Coolide, Zamboanga
600 cs, Balfour, Guthrie & Co, President Coolidge, Manila
CORKFLOATS—146 bls, Narenta, Rotterdam
EPHEDRA—303 bls, Chemical Bank & Trust Co, Vito, Kobe
EPSOM SALT—10 cs, American Factors, Narenta, London
FERTILIZER—300 sks, Sun Trading Co, Vito, Kobe
GINGER ROOT—146 cs, President Coolidge, Hongkong
GLASS, FIGURED—9 cs, Smith Glass Co, San Francisco, Antwerp
ROUGH—5 cs, Smith Glass Co, San Francisco, Antwerp
SHEET—208 cs, H B Mills, San Francisco, Antwerp
WINDOW—196 cs, Smith Glass Co, San Francisco, Antwerp
WIRED—8 cs, Smith Glass Co, San Francisco, Antwerp
GLUE, GELATIN, POWD—10 bbls, 15 kgs, Narenta, Rotterdam
GUM, BENZOIN—9 cs, Philadelphia National Bank, President Coolidge, Hongkong
INK—10 cs, Shun On, President Coolidge, Hongkong
2 cs, Chong Jan, President Coolidge, Hongkong
LOOFAHS—14 bls, C Solomon, Vito, Yokohama
MEDICINAL PREPS—1 cs, Mutual Supply Co, Vito, Kobe
4 cs, Fung Chong, President Coolidge, Hongkong
3 cs, Chong Kee Chan Co, President Coolidge, Hongkong
36 cs, Chan & Chan, President Coolidge, Hongkong
8 cs, Kwong Yick, President Coolidge, Hongkong
2 cs, Shun On, President Coolidge, Hongkong
1 cs, Lu Yun Chong, President Coolidge, Kobe (for Oakland)
OIL, ANISEED—5 dms, Aries Co, President Coolidge, Hongkong
CHINAWOOD—170 tons, S L Jones & Co, President Coolidge, Hongkong
150 tons, W R Grace & Co, President Coolidge, Hongkong
112 tons, Werner G Smith Co, President Coolidge, Hongkong
229 tons, Werner G Smith Co, President Coolidge, Hongkong
302 tons, Werner G Smith Co, President Coolidge, Hongkong
FISH, HARD—20 sks, Willits & Co, Cito, Yokohama
LUBRICATING—42 dms, Haslett Warehouse Co, Narenta, London
MINERAL, WHITE—90 dms, Standard Oil Co of California, San Francisco, Antwerp
OLIVE—50 dms, Narenta, Rotterdam
PEANUT—50 cs, Wing Hing Chong, President Coolidge, Hongkong
PEANUT MEAL—500 sks, Balfour, Guthrie & Co, Vito, Tsingtao
SHELLED—600 sks, Wilbur-Ellis Co, President Coolidge, Manila
200 sks, L de Martini Co, President Coolidge, Manila
PEATMOSS—401 sks, Gracia, Glasgow
1,000 bls, Bank of California, N A, Narenta, Rotterdam
PEPPER, DECORTICATED—6 sks, Narenta, London
PERFUMERY—2 cs, Maison Mendessolie, San Francisco, Havre
PYRETHRUM FLOWERS—150 bls, Mitsui & Co, President Coolidge, Kobe
RAPESEED—200 sks, Narenta, Rotterdam
SAGO FLOUR—50 sks, H M Newhall & Co, Bengalen, Singapore
SARDINE MEAL—1,700 sks, Pacific Trading Co, Vito, Kobe
SHELLAC—10 chests, Bengalen, Calcutta
SILVERSAND—1,250 tons, Balfour, Guthrie & Co, San Francisco, Antwerp (for Oakland)
SOAP—20 cks, American Express Co, San Francisco, Havre
100 cs, Narenta, Rotterdam
SODIUM SILICOFLUORIDE—33 bbls, Narenta, Rotterdam
SOYBEAN FLOUR—20 sks, Narenta, London
SUPERPHOSPHATE, TRIPLE—400 sks, Narenta, Rotterdam
TOILET PREPS—1 cs, Maison Mendessolie, San Francisco, Havre
2 cs, Mutual Supply Co, Vito, Kobe
UMBER—37 cks, L H Butcher Co, Pacific President, Manchester

Savannah Imports

COTTONSEED—22 bgs, Fluorspar, Rotterdam
LEATHER MEAL—9,652 bgs, Fluorspar, Rotterdam
NAPHTHALENE—200 bgs, Fluorspar, Rotterdam
STARCH, POTATO—1,000 bgs, Fluorspar, Rotterdam

Seattle Imports

CYCAS LEAVES—3 bls, President McKinley, Kobe
IRON SAND—20 sks, The Bailey Co, Pacific Shipper, Glasgow
OIL, CODLIVER—50 dms, 25 cks, Girdwood Shipping Co, Benjamin Franklin, Oslo
OLIVE—25 dms, Rialto, Leghorn
PEANUTS, SHELLED—300 sks, Wilbur-Ellis Co, President McKinley, Manila
TAPIOCA SEEDS—29 sks, D Hecht & Co, Hoegh Silverstar, Batavia

Tacoma Imports

OIL, OLIVE—20 dms, Rialto, Genoa
TAPIOCA FLOUR—169 sks, W J Byrnes & Co, Hoegh Silverstar, Sourabaya

Exports from U.S. Ports

New York Exports

Clearance Dates

Agwistar, July 9; Almena, June 30; American Importer, July 8; Astri, July 7; Belvedere, July 1; Black Heron, July 6; Black Tern, July 15; Bonheur, July 11; Borinquen, July 7; Brand, July 15; Caledonia, July 13; Chiriqui, June 22; Clan Macnair, July 8; Coamo, July 14; De Grasse, July 11; Deutschland, July 13; Drottningholm, July 13; Emile Francqui, July 9; Estrella, July 8; Express, July 6; Falcon, July 9; Gezina, July 13; Guayaquil, July 5; Guido, July 8; Hokuroku, July 12; Ile de France, July 7; Jamaica, June 8; Kasil, July 13; Laconia, July 8; Mexico, June 30; Musa, July 7; Normandie, July 12; Platano, June 17; Ponce, July 9; Porto Rico, July 16; Quirigua, June 18, July 6; San Jacinto, July 9; Saturnia, July 8; Scanyork, July 8; St Louis, July 8; Standard, July 13; Steel Traveler, July 2; Talamanca, June 29; Tampa, July 1; Toronto City, July 18; Trelawny, July 8; Vingaren, July 5

ACETONE—(Scanyork) 828 lbs, Stockholm; 13,216 lbs, Norrkoeping
ACID, CRESYLIC—1,020 lbs, Talamanca, Cartagena
MURIATIC—21,060 lbs, Agwistar, Tampico; 3,965 lbs, Jamaica, Kingston
NITRIC—10,511 lbs, Awistar, Tampico
PHOSPHORIC—11,642 lbs, Vingaren, Stockholm
SALICYLIC—266 lbs, Musa, La Libertad
SULPHURIC—17,115 lbs, Agwistar, Tampico; 2,750 lbs, Quirigua, Porto Colombia
TANNIC—118 lbs, Jamaica, Cartagena
ALCOHOL, BUTYL—165 gls, Black Tern, Rotterdam
DEN—2,750 gls, Talamanca, Cartagena
ALUMINUM, PASTE—10,186 lbs, Javanese Prince, Manila
POWDER—7,210 lbs, Javanese Prince, Manila
AMMONIA, ANHYDR—3,882 lbs, Chiriqui, Guayaquil
ASPHALT—6,195 lbs, Estrella, Lisbon; 6,618 lbs, Trelawny, Wellington; 91,220 lbs, Clan Macnair, Lourenco Marques; 7,210 lbs, Steel Traveler, Iloilo; 35,323 lbs, Guido, Newcastle; 66,029 lbs, Belvedere, Genoa; (Express) 8,896 lbs, Istanbul; 38,840 lbs, Galatz; 100,459 lbs, Quirigua, Kingston; 24,840 lbs, Hokuroku, Yokohama
LIQUID — 11,557 lbs, American Importer, Liverpool; 10,160 lbs, Clan Macnair, East London; (Scanyork) 14,088 lbs, Gothenburg; 24,385 lbs, Stockholm
SOLID—52,795 lbs, American Importer, Liverpool
BENZOL—2,750 gls, Astri, Buenos Aires
BLUE, LAUNDRY — 6,000 lbs, Talamanca, Porto Colombia
ULTRAMARINE—2,380 lbs, Musa, Mazatlan
VITRIOL — 29,210 lbs, Agwistar, Tampico; 80,400 lbs, Jamaica, Kingston
BUTYL ACETATE—37,570 lbs, Black Heron, Antwerp; 2,205 lbs, Scanyork; Abo, (Black Tern) 49,514 lbs, Antwerp; 10,143 lbs, Rotterdam
CARBON BISULPHIDE—13,000 lbs, Platano, Buenaventura
CHEMICALS—3,058 lbs, Black Heron, Rotterdam; (Black Tern) 3,265 lbs, Antwerp; 4,130 lbs, Rotterdam
CHROME SULPHATE — 11,468 lbs, Bonheur, Pernambuco
CLAY—11,200 lbs, Black Heron, Antwerp
COALTAR—550 lbs, Chiriqui, Bocas Toro
INTERMEDIATES — 18,481 lbs, Scanyork, Danzig; 2,484 lbs, Black Tern, Antwerp
COLOR, DRY—6,204 lbs, Chiriqui, Porto Colombia
CORN FLOUR—31,020 lbs, Javanese Prince, Manila; 3,300 lbs, Talamanca, Guayaquil; 8,515 lbs, Chiriqui, Porto Colombia
SUGAR — 203 lbs, Drottningholm, Stockholm; 10,188 lbs, Guido, Hull; 14,200 lbs, Toronto City, Bristol
SYRUP—(Quirigua) 3,826 lbs, Limon; 1,529 lbs, Kingston; (Vingaren) 12,892 lbs, Norrkoping; 12,893 lbs, Stockholm-Gothenburg; 5,517 lbs, Steel Traveler, Honolulu; 1,511 lbs, Musa, Corinto
CREAM TARTAR—500 lbs, Jamaica, Cartagena; 625 lbs, Chiriqui, La Union
CYANAMID—101,400 lbs, Coamo, San Juan
DEXTRIN, CORN — (Trelawny) 10,575 lbs, Auckland; 4,230 lbs, Wellington; 4,230 lbs, Tampa, Calcutta
DICHLORODIFLUOROMETHANE—1,074 lbs, Scanyork, Helsingfors
DIETHYL SULPHATE — 5,950 lbs, Emile Francqui, Antwerp
DISINFECTANT—2,609 lbs, Coamo, San Juan
DYES—7,680 lbs, Siboney, Vera Cruz; 10,985 lbs, Black Heron, Antwerp; 5,060 lbs, Tampa, Calcutta; 10,985 lbs, Black Heron, Antwerp; (Black Tern) 22,064 lbs, Antwerp; 803 lbs, Rotterdam
ANILIN—608 lbs, Scanyork, Helsingfors
ETHYL FLUID—400 gls, Express, Piraeus; 2,200 gls, Estrella, Philippeville
FERTILI ER—45,210 lbs, Falcon, Buenaventura
GASOLINE—1,000 gls, Brand, St Thomas
GLUCOSE—602 lbs, Tampa, Calcutta
SOLID—62,463 lbs, Trelawny, Wellington
GLUE—334 lbs, Porto Rico, San Juan
GREASE, LUBRICATING—22,180 lbs, Falcon, Callao; 8,811 lbs, American Importer, Manchester; (Estrella) 1,326 lbs, Leixoes; 664 lbs, Loanda; 3,053 lbs, Philippeville; (St Louis) 3,571 lbs, Hamburg; 3,034 lbs, Oslo; 48,410 lbs, De Grasse, Havre; 58,410 lbs, Javanese Prince, Manila; 14,168 lbs, Ile de France, Havre; (Trelawny) 2,472 lbs, Auckland; 7,226 lbs, Wellington; 6,445 lbs, Invercargill; (Clan Macnair) 11,040 lbs, Capetown; 21,786 lbs, East London; 1,804 lbs, Mananzary; (Vingaren) 2,112 lbs, Malmo; 922 lbs, Helsingfors; 82,028 lbs, Laconia, Liverpool; 4,840 lbs, Steel Traveler, Manila; (Tampa) 1,326 lbs, Karachi; 8,446 lbs, Calcutta; (Guido) 52,280 lbs, Newcastle; 35,220 lbs, Hull; 32,268 lbs, Scanyork, Copenhagen; 35,660 lbs, Mexico, Vera Cruz; 3,870 lbs, Talamanca, Kingston; 87,553 lbs, Deutschland, Hamburg; 1,896 lbs, Hokuroku, Yokohama; 33,340 lbs, Black Tern, Antwerp
GUM, TRAGACANTH—5,092 lbs, Black Tern, Amsterdam
INK, PRINTING—10,387 lbs, Quirigua, Porto Colombia
INSECTICIDE—16,185 lbs, Trelawny, Auckland
HOUSEHOLD—11,410 lbs, Javanese Prince, Manila; 2,703 lbs, Scanyork, Helsingfors
LACQUER—3,021 lbs, Astri, Rio Janeiro
LIQUID—2,170 lbs, Black Tern, Antwerp
THINNER — 1,705 gls, Javanese Prince, Shanghai
LARD—57,750 lbs, Quirigua, Havana; (American Importer) 81,377 lbs, Liverpool; 63,500 lbs, Manchester; 23,700 lbs, Jamaica, Porto Colombia; 13,444 lbs, Vingaren, Stockholm; 53,975 lbs, Laconia, Liverpool; 205,120 lbs, American Merchant, London; (Guido) 32,300 lbs, Newcastle; 117,000 lbs, Hull; 8,650 lbs, Borinquen, San Juan; 43,750 lbs, Scanyork, Gdynia; 12,858 lbs, Talamanca, Panama; 18,829 lbs, Almena, Ciudad; 19,850 lbs, Quirigua, Panama; 20,000 lbs, Porto Rico, Mayaguez; 19,800 lbs, Coamo, San Juan
LEAD, BLUE—6,142 lbs, Vingaren, Stockholm
RED—18,060 lbs, Falcon, Buenaventura
LINSEED CAKE—1,915,723 lbs, Emile Francqui, Antwerp; (Black Heron) 450,812 lbs, Antwerp-Rotterdam; 1,803,785 lbs, Antwerp; (Black Tern) 1,847,912 lbs, Antwerp; 1,127,392 lbs, Antwerp-Rotterdam-Amsterdam; 1,168,217 lbs, Rotterdam
MOLYBDENUM CONCE—66,568 lbs, Belvedere, Genoa
NAPHTHA—(Clan Macnair) 40,000 gls, Manakara; 34,825 gls, Mananzary; 80,000 gls, Point Galet; 51,500 gls, Port Louis
OIL, CASTOR—1,513 lbs, Black Tern, Antwerp
COCONUT, REFD—25,533 lbs, Quirigua, Havana
COOKING—3,782 lbs, Porto Rico, San Juan
CORN—(Trelawny) 1,200 lbs, Auckland; 1,624 lbs, Invercargill; (Porto Rico) 17,747 lbs, San Juan; 4,500 lbs, Ponce
DIESEL—(Clan Macnair) 550 gls, Manakara; 16,500 gls, Mananzary
EDIBLE—3,111 lbs, Talamanca, Guayaquil; 750 lbs, Musa, Puntarenas
LUBRICATING — (Falcon) 1,305 gls, Cebu; 4,640 gls, Pisco; 1,720 gls, Buenaventura; 39,835 gls, Callao; 4,970 gls, Quirigua, Havana; 15,300 gls, American Importer, Manchester; (Estrella) 4,410 gls, Leixoes; 1,810 gls, Oporto; 4,515 gls, Lisbon; 550 gls, Benguela; 500 gls, St Vincent, 2,860 gls, Casablanca; 6,940 gls, Marseilles; (St Louis) 20,916 gls, Hamburg; 4,675 gls, Oslo; 550 gls, Bergen; (De Graese) 18,180 gls, Havre; 2,805 gls, Dunkirk; 305 gls, St Nazaire; 1,375 gls, Bordeaux; 6,600 gls, Javanese Prince, Manila; 1,155 gls, Ile de France, Havre; 3,920 gls, Brand, Port Spain; 2,035 gls, Platano, Puntarenas; (Trelawny) 13,750 gls, Auckland; 24,075 gls, Wellington; 1,375 gls, Napier; 2,640 gls, New Plymouth; 6,875 gls, Lyttelton; 15,070 gls, Invercargill; 550 gls, Dunedin; (Clan Macnair) 550 gls, East London; 1,320 gls, Mananzary; 1,375 gls, Point Galet; 1,100 gls, Port Louis; (Vingaren) 1,200 gls, Malmo; 6,600 gls, Stockholm; 210 gls, Helsingborg; 1,428 gls, Pilsudski, Gdynia; 7,450 gls, Caledonia, Glasgow; (Drottningholm) 2,750 gls, Gothenburg; 265 gls, Stockholm; 420 gls, Black Heron, Antwerp; (Laconia) 1,375 gls, Calcutta; 4,200 gls, Liverpool; 5,500 gls, Astri, Rio de Janeiro; (Kasil) 9,240 gls, Yokohama; 34,925 gls, Kobe; 21,285 gls, Osaka; 2,000 gls, Memphis City, Baghdad; (Tampa) 550 gls, Karachi; 12,375 gls, Calcutta; 11,360 gls, Bonheur, Pernambuco; (Saturnia) 1,650 gls, Algiers; 756 gls, Venice; 1,260 gls, Ancona; 1,245 gls, Susak; 420 gls, Fiume; (Guido) 275 gls, Newcastle; 9,900 gls, Hull; 8,988 gls, Toronto City, Cardiff; 16,500 gls, Belvedere, Genoa; (Scanyork) 275 gls, Oslo; 210 gls, Prague; 1,130 gls, Gdynia; 3,335 gls, Stockholm; 5,060 gls, Chiriqui, Pedregal; 2,350 gls, Talamanca, Porto Colombia; 11,350 gls, Mexico, Vera Cruz; (Express) 9,350 gls, Tunis; 350 gls, Constanza; 1,760 gls, Guayaquil, Callao; 52,920 gls, Deutschland, Hamburg; (Hokoroku) 4,125 gls, Yokohama; 4,400 gls, Osaka; 6,325 gls, Moji; 2,000 gls, Tsingtao
NEATSFOOT—(Drottningholm) 14,395 lbs, Gothenburg; 9,450 lbs, Stockholm; 25,521 lbs, Black Tern, Antwerp
OLEO—9,452 lbs, American Importer, Liverpool; 11,765 lbs, Emile Francqui, Antwerp; (Black Tern) 7,074 lbs, Antwerp; 13,284 lbs, Rotterdam
PEPPERMINT—4,628 lbs, American Merchant, London
PAINT—6,342 lbs, Ponce, Ponce; 8,280 lbs, Javanese Prince, Manila; (Jamaica) 3,941 lbs, Buenaventura; 10,482 lbs, Porto Colombia; 15,472 lbs, Platano, Puntarenas; (Drottningholm) 2,240 lbs, Gothenburg; 150,340 lbs, Black Heron, Antwerp; 2,046 lbs, Astri, Rio de Janeiro; 2,280 lbs, Steel Traveler, Honolulu; 5,780 lbs, American Merchant, London; (Talamanca) 2,638 lbs, Cartagena; 1,862 lbs, Porto Colombia; 10,686 lbs, Quirigua, Porto Colombia
THINNER—1,100 gls Siboney, Vera Cruz; (Clan Macnair) 500 gls, Capetown; 77,500 gls, Lourenco Marques; 700 gls, Beira
PARAFFIN—(Falcon) 90,115 lbs, Champerico; 45,200 lbs, La Libertad; 82,880 lbs, Buenaventura; 44,635 lbs Callao; (Quirigua) 44,400 lbs, Havana; 45,200 lbs, Porto Colombia; (Estrella) 11,153 lbs, Leixoes; 78,262 lbs, Loanda; 51,065 lbs, Siboney, Mexico; (Vingaren) 56,415 lbs, Gothenburg; 112,831 lbs, Helsingfors; 115,529 lbs, Saturnia, Trieste; 33,918 lbs, Guido, Newcastle; 578,803 lbs, Belvedere, Genoa; 20,158 lbs, Borinquen, Ciudad; (Scanyork) 9,206 lbs, Gothenburg; 56,485 lbs, Helsingfors; 15,214 lbs, Chiriqui, Amapala; (Talamanca) 16,650 lbs, Porto Colombia; 77,088 lbs, Valparaiso; 26,640 lbs, Arica; (Guayaquil) 22,244 lbs, Amapala; 15,152 lbs, Puntarenas; 36,343 lbs, Deutschland, Hamburg; 2,224 lbs, Black Tern, Antwerp
REFINED—19,848 lbs, Falcon, Corinto
SCALE—33,125 lbs, Quirigua, Havana; 113,165 lbs, Toronto City, Bristol
PETROLEUM, REFD—6,000 gls, San Jacinto, Mayaguez; 15,000 gls, Ponce, La Romana; 25,000 gls, Estrella, Lisbon; (Clan Macnair) 20,000 gls, Manakara; 10,000 gls, Mananzary; 28,000 gls, Point Galet; 37,000 gls, Port Louis; 15,500 gls, Borinquen, Ciudad; 40,000 gls, Porto Rico, San Juan
PITCH, COALTAR—43,694 lbs, Laconia, Liverpool
POTASH CHLORATE—2,380 lbs, Chiriqui, Cartagena
NITRATE—5,550 lbs, Jamaica, Cartagena; 2,525 lbs, Chiriqui, Cartagena
RESIN—2,275 lbs, American Merchant, London
SYNTHETIC—14,493 lbs, American Importer, Liverpool; 22,492 lbs, Black Tern, Amsterdam
ROOTS—580 lbs, Deutschland, Hamburg
ROSIN—2,535 lbs, Jamaica, Kingston; 4,423 lbs, Vingaren, Gothenburg; 7,704 lbs, Laconia, Liverpool
SOAP—(San Jacinto) 5,600 lbs, San Juan; 6,400 lbs, Mayaguez; 2,420 lbs, Talamanca, Porto Colombia; (Porto Rico) 5,675 lbs, Ponce; 18,800 lbs, Mayaguez; 6,000 lbs, Deutschland, Helsingfors
TOILET—7,983 lbs, Estrella, Amboin
SODA, ALUMINA SULPHATE—36,010 lbs, Javanese Prince, Manila
ASH—20,118 lbs, Trelawny, Auckland; 4,879 lbs, Bonheur, Para; (Talamanca) 13,302 lbs, Porto Colombia; 4,250 lbs, Panama
BICARBONATE—105,480 lbs, Agwistar, Tampico; 52,850 lbs, Standard, Aruba; 54,160 lbs, Siboney, Vera Cruz; 57,000 lbs, Mexico, Vera Cruz
BICHROMATE—5,492 lbs, Astri, Santos; 2,332 lbs, Scanyork, Memel
BROMIDE—32,232 lbs, Scanyork, Leningrad
CAUSTIC—252,500 lbs, Agwistar, Tampico; 71,900 lbs, Quirigua, Havana; 21,540 lbs, Platano, Santa Marta; 14,500 lbs, Trelawny, Auckland; 21,550 lbs, Tampa, Colombo; (Bonheur) 13,470 lbs, Ceara; 17,960 lbs, Pernambuco; 28,652 lbs, Almena, Ciudad; (Talamanca) 38,600 lbs,

SODA, CAUSTIC (Continued):—
Cartagena; 5,752 lbs, Panama; 220,180 lbs, Mexico, Vera Cruz; 50,400 lbs, Guayaquil, Mazatlan
CYANIDE—8,080 lbs, Falcon, Buenaventura; 1,860 lbs, Guayaquil, Tumaco
HYPOSULPHITE — 22,220 lbs, Agwistar, Tampico; 2,262 lbs, Jamaica, Porto Colombia; 21,060 lbs, Steel Traveler, Manila
PHOSPHATE TRI—48,600 lbs, Caledonia, Glasgow; 9,825 lbs, Steel Traveler, Honolulu
SILICATE—5,365 lbs, American Importer, Liverpool; 47,600 lbs, American Merchant, London
STARCH, CORN—(Jamaica) 270 lbs, Bocas Toro; 520 lbs, Porto Armulles; 2,000 lbs, Quirigua, Havana; 33,840 lbs, Drottningholm, Stockholm; (Steel Traveler) 9,363 lbs, Honolulu; 750 lbs, Manila; 11,280 lbs, Tampa, Karachi; (Porto Rico) 610 lbs, San Juan; 3,000 lbs, Ponce; 12,000 lbs, Mayaguez
SULPHONAMIDE — 613 lbs, American Merchant, London
TALLOW—93,194 lbs, Almena, Ciudad
TURPENTINE—(Trelawny) 250 gls, Auckland; 415 gls, Invercargill; (Clan Macnair) 300 gls, Capetown; 1,000 gls, Lourenco Marques; 1,700 gls, Beira
UREA—22,680 lbs, American Importer, Manchester
WITCH HAZEL EXTRACT—1,058 lbs, San Jacinto, San Juan; 19,840 lbs, Toronto City, Bristol
WOLFRAM ORE—56,493 lbs, St Louis, Hamburg
ZINC CHLORIDE—6,072 lbs, Estrella, Oporto
OXIDE—12,040 lbs, Guayaquil, Cristobal

Baltimore Exports
Clearance Dates

City of Flint, July 21; Exmouth, July 16; Jeff Davis, July 12; Jefferson Myers, July 16; Manchester Exporter, July 15; Robin Gray, July 14; Steel Engineer, July 18; Svaneholm, July 16; The Angeles, July 15; Tosan, July 19

ASPHALT, SOLID—47 tons, Manchester Exporter, Liverpool
CADMIUM LITHOPONE—2,640 lbs, City of Flint, London; 565 lbs, Svaneholm, Stockholm
CHALK, PRECIP—60,000 lbs, Manchester Exporter, Manchester
CLEANER, DRY—972 lbs, City of Flint, London
COALTAR, INTERMEDIATES — 1,250 lbs, Manchester Exporter, Manchester
CORN FLOUR — 2,240 lbs, Manchester Exporter, Liverpool
SYRUP—42,957 lbs, Jeff Davis, Manila
EPSOM SALT—15,750 lbs, The Angeles, Buenos Aires
FIRECLAY—1,008 lbs, City of Flint, London
GLASS FRIT, CRSHD—15,000 lbs, Manchester Exporter, Manchester
GREASE, LUBRIC—38,335 lbs, Manchester Exporter, Liverpool 1,316 lbs, Jefferson Myers, Salvador; 67,034 lbs, Exmouth, Piraeus; (Svaneholm) 4,086 lbs, Stockholm; 6,310 lbs, Helsingfors
INSECTICIDE—1,188 lbs, City of Flint, London
IRON, SAND—66,000 lbs, Svaneholm, Helsingfors
LEAD, ARSENATE—62,016 lbs, Robin Gray, Capetown
OIL, MINERAL—5,400 gls, City of Flint, London
PARADICHLOROBENZENE — 120 lbs, Robin Gray, Capetown
PARAFFIN—11,338 lbs, City of Flint, Bremen
POTASH BICHROMATE—11,023 lbs, Steel Engineer, Alexandria
SAND, PREPARED—1,423 lbs, City of Flint, London
SELENIUM, POWD—661 lbs, City of Flint, Hamburg
SODA ASH—447,986 lbs, Tosan, Tientsin
CAUSTIC—112,370 lbs, Tosan, Tientsin
STARCH, CORN—141,500 lbs, Steel Engineer, Alexandria; 1,240,800 lbs; Manchester Exporter, Manchester
SUPERPHOSPHATE — 1,323 lbs, Steel Engineer, Cairo
TITANIUM LITHOPONE—4,800 lbs, City of Flint, Leith
WITCH HAZEL LEAVES—3,080 lbs, Exmouth, Marseilles
YELLOW, CHROME, PASTE—3,038 lbs, Jefferson Myers, Cristobal
ZINC OXIDE, IN OIL—50,000 lbs, Jefferson Myers, Cristobal

Beaumont Exports
Clearance Dates

Fagerfjell, July 16; Gianna M, July 16

PETROLEUM, CRUDE—95,281 bbls, Fagerfjell, Montreal; 56,000 bbls, Gianna M, Venice

Boston Exports
Clearance Dates

American Merchant, July 17; American Shipper, July 17; Bilderdijk, July 18; City of Flint, July 18; Evangeline, July 20; Lady Drake, July 16; Marchen Maersk, July 18; Nako, July 16; Saint John, July 18; Samaria, July 17; Tweedbank, July 21; Yarmouth, July 17, 19 and 21

ACID, BORIC—1 bbl, 341 lbs, Saint John, Yarmouth, N S
ALUMINA OXIDE—10 kegs, 1 bx, 508 lbs, City of Flint, London
ANIMAL DIP—3 dms, 1,419 lbs, Marchen Maersk, Manila
ASBESTOS FIBER—1,455 bgs, Nako, Osaka
CALCIUM CHLORIDE, FLAKE—800 bgs, 80,000 lbs, Yarmouth, Tusket, N S
CELERY SALT—2 kegs, 200 lbs, Evangeline, Halifax
CEMENT, CAN—5 dms, 2,388 lbs, City of Flint, London
CHEMICALS—1 bx, 50 lbs, American Shipper, Manchester
FISHMEAL—500 bgs, 55,500 lbs, American Shipper, Belfast
GARNET ROCK—200 bgs, 20,000 lbs, City of Flint, Bremen
GREASE, AXLE—20 cs, 523 lbs, Lady Drake, Hamilton
LUBRICATING—121 qtr dms, 25 pls, 12,725 lbs, Yarmouth, St John, N B
GUM, SYNTH—2 bbls, 194 lbs, City of Flint, London
LARD—350 bxs, 100 trcs, 47,718 lbs, Samaria, Liverpool; (City of Flint) 750 bxs, 21,000 lbs, London; 25 bxs, 1,400 lbs, Dundee; 375 bxs, 25 trcs, 19,834 lbs, Leith
LINING COMP—2 dms, 969 lbs, Bilderdijk, Rotterdam; 3 dms, 1,446 lbs, City of Flint, Hatvan
MEDICINAL PREPS—1 cs, 21 lbs, Lady Drake, Barbados; 58 cs, 3,262 lbs, Samaria, Nottingham
MOLASSES—(Bilderdijk) 40 bbls, 2,200 gls, Rotterdam; 200 bbls, 11,000 gls, Amsterdam
OIL—20 bbls, 8,398 lbs, American Merchant, London
HARNESS—1 cs, 77 lbs, Lady Drake, Hamilton
LUBRICATING—1 dm, 55 gls, Lady Drake, Hamilton; 3 cs, 35 gls, Samaria, Liverpool; 8 dms, 2 half dms, 4 crtns, 480 gls, Yarmouth, St John, N B
PARAFFIN—20 bbls, 8,084 lbs, American Merchant, London; (Samaria) 82 bgs, 18,040 lbs, Liverpool; 20 bgs, 4,400 lbs, Calcutta
PASTE, ADHES—55 dms, 2,925 lbs, City of Flint, London
POLISH, SHOE—10 cs, 100 gls, Samaria, Leicester
PROPYLENE STEARATE—1 dm, 407 lbs, City of Flint, London
SILICON CARBIDE—2 kegs, 652 lbs, City of Flint, London
SOAP, FLAKE—20 cs, 669 lbs, Tweedbank, Manila
MEDICATED—1 cs, 63 lbs, Lady Drake, Barbados
TAR—430 cs, 23,125 lbs, Tweedbank, Manila
TOILET—1,800 cs, 52,350 lbs, Tweedbank, Manila
STAIN, WOOD—4 dms, 245 lbs, City of Flint, Gothenburg
STARCH, CHEMICALLY TREATED—24 bgs, 2,309 lbs, Bilderdijk, Amsterdam
TALC—1 cs, 6 lbs, Samaria, London
TOILET PREPS—1 ctn, Saint John, Halifax, N S; (Samaria) 5 cs, 216 lbs, Nottingham; 1 cs, 6 lbs, London
TURPENTINE, GUM—6 dms, 360 gls, Yarmouth, Moncton, N B
WATERPROOFING COMP—60 dms, 3,000 lbs, Yarmouth, St John, N B
WAX, SHOEMAKERS'—6 bbls, 1,516 lbs, American Shipper, Leeds

Corpus Christi Exports
Clearance Dates

Argus, July 2; C I P, July 14; Hybert, July 3; Josefina Thorden, July 3; Lubrafol, July 12; Pluvoise, July 8; Sunbeam, July 5; Trimountain, July 7

GASOLINE—80,530 bbls, Sunbeam, Foreign
OIL, FUEL—64,857 bbls, Josefina Thorden, Foreign
PETROLEUM, CRUDE—35,781 bbls, Argus, Foreign; 72,182 bbls, Lubrafol, Foreign; 71,068 bbls, Trimountain, Foreign; 104,849 bbls, Pluvoise, Foreign; 68,231 bbls, C I P, Foreign

Galveston Exports
Clearance Dates

Margaret Lykes, July 15; Mirlo, July 13; Nishmaha, July 14; Nuolja, July 13; Prometheus, July 16

BLACK, CARBON—10 tons, Nishmaha, Genoa
OIL, DIESEL—1,500 tons, Nuolja, Marvik
GAS—11,500 tons, Prometheus, London & Hull
PETROLEUM, CRUDE—80,000 bbls, Mirlo, Montreal

Houston Exports
Clearance Dates

Alkaid, July 15; Atutasan, July 19; Bullmouth, July 14; Carina, July 14; Darian, July 19; Hybert, July 13; Ida Z O, July 18; Lucania, July 16; Margaret Lykes, July 14; Nishmaha, July 16; Spencer Kellogg, July 18

BLACK, CARBON—(Hybert) 1,000 bgs, 500 cs, Havre; 1,644 bgs, 2 cs, Antwerp; 2,500 bgs, 540 cs, Nishmaha, Genoa; (Ida Z O) 250 bgs, 50 cs, Genoa; 100 bgs, Bourgas; (Darian) 2,775 bgs, 50 cs, Liverpool; 7,200 bgs, Manchester; (Atutasan) 200 cs, 250 bgs, Yokohama; 150 cs, 200 bgs, Kobe; 100 cs, 150 bgs, Osaka
MOLYBDENUM CONC—264 bbls, Darian, Liverpool
OIL—5 dms, Hybert, Antwerp
FUEL—10,500 tons, Lucania, La Spezia; 49,000 bbls, Spencer Kellogg, Matanzas
GAS—9,600 tons, Bullmouth, German
LUBRICATING—65 bbls, Hybert, Havre; (Ida Z O) 65 bbls, Oran; 65 bbls, Algiers; 65 bbls, Phillipeville; 65 bbls, Bona; 65 bbls, Casablanca; 65 bbls, Marseilles
PETROLEUM, CRUDE—9,400 tons, Carina, Trieste
PRODUCTS—97 pkgs, Margaret Lykes, Cristobal

Lake Charles Exports
Clearance Date

Genevieve Lykes, July 16

LARD—100 cans, Genevieve Lykes, Aguadilla

Los Angeles Exports
Clearance Dates

Amerika, July 6; Athelking, July 15; City of Bedford, July 8; Columbian, July 10; Elbe, July 5; Elizabeth Bakke, July 8; Gertrude Maersk, July 23; Hoyo, July 16; Laurits Swenson, July 9; Limerick, July 9; Nankai, July 13; Omurosan, July 8; Ontariolite, July 17; Pacific Ranger, July 8; Rosebank, July 9; Roseville, July 13; Salawati, July 11; San Ambrosia, July 13; Vivi, July 14; Yamabiko, July 13; Yeiyo, July 16

ACID, BORIC—20 bgs, 2,240 lbs, Limerick, Sydney; 47 pkgs, 7,180 lbs, Rosebank, Vancouver; 700 bgs, 89,600 lbs, Laurits Swenson, London
CRESYLIC—20 dms, 8,770 lbs, Rosebank, Vancouver
ASPHALT—242 pkgs, 112,000 lbs, Limerick, Sydney
LIQUID—30 dms, 8,340 lbs, Yamabiko, Rio Janeiro
BORATE—(Laurits Swenson) 2,041 bgs, 227,500 lbs, London; 4,438 lbs, 679,230 lbs, Liverpool; 3,500 bgs, 588,780 lbs, Nankai, Osaka
BORAX—(Pacific Ranger) 100 bgs, 11,200 lbs, London; 1,160 bgs, 134,400 lbs, Manchester; 1,200 bgs, 134,400 lbs, Amerika, Hull; (Limerick) 380 bgs, 42,530 lbs, Melbourne; 30 bgs, 3,360 lbs, Lyttleton; 50 bgs, 5,600 lbs, Auckland; 1,035 bgs, 135,940 lbs, Sydney; 280 pkgs, 28,740 lbs, Rosebank, Vancouver; (Elbe) 4,800 bgs, 537,600 lbs, Hamburg; 12,900 bgs, 1,444,800 lbs, Antwerp; (Laurits Swenson) 402 bgs, 45,050 lbs, London; 4,438 bgs, 679,230 lbs, Liverpool; 100 cs, 10,000 lbs, Salawati, Manila; (Yamabiko) 600 bgs, 67,200 lbs, Santos; 572 bgs, 80,080 lbs, Sao Paulo;
BORAX (Continued):—
(Nankai) 400 bgs, 44,450 lbs, Yokohama; 100 bgs, 11,200 lbs, Osaka
CLAY—100 bgs, 10,000 lbs, Pacific Ranger, Manchester; 400 bgs, 20,160 lbs, Elbe, Barranquilla; 441 sx, 44,800 lbs, Salawati, Pladjoe
GROUND—220 bgs, 22,000 lbs, Pacific Ranger, London
CLEANER—(Limerick) 100 pkgs, 8,870 lbs, Auckland; 10 pkgs, 4,040 lbs, Melbourne; (Salawati) 25 cs, 1,410 lbs, Batavia; 340 lbs, Haiphong
COTTON LINTERS—500 bls, 257,600 lbs, Pacific Ranger, Manchester; 140 bls, 68,240 lbs, Rosebank, Vancouver; 3,800 bls, 1,478,400 lbs, Elizabeth Bakke, Manchester
GAS, PETROLEUM, LIQ—5,130 lbs, Rosebank, Vancouver
GASOLINE—(Limerick) 100 cs, 8,000 lbs, Papeete; 50 dms, 16,440 lbs, Wellington; 91,837 bbls, 2,396,430 lbs, San Ambrosio, Lizard; 78,146 bbls, 20,396,110 lbs, Vivi, Vladivostok; 84,367 bbls, 22,019,790 lbs, Yeiyo, Dairen; 11,057 bbls, 2,885,880 lbs, Hoyo, Tokuyama
INFUSORIAL EARTH—(Pacific Ranger) 100 sx, 10,000 lbs, Funchal; 224 bgs, 22,400 lbs, London; 221 bgs, 22,430 lbs, Liverpool; 112 bgs, 11,200 lbs, Manchester; (Limerick) 1,606 bgs, 160,540 lbs, Melbourne; 672 bgs, 67,200 lbs, Auckland; 791 bgs, 79,040 lbs, Sydney; 20 bgs, 2,030 lbs, Rosebank, Vancouver; (Elbe) 16 bgs, 1,280 lbs, Prague; 31 bgs, 4,300 lbs, Helsingfors; 97 bgs, 8,920 lbs, Elizabeth Bakke, Glasgow; 223 bgs, 22,640 lbs, Laurits Swenson, Liverpool; 400 sx, 40,000 lbs, Yamabiko, Sao Paulo; 1,000 lbs, Salawati, Abadan
KEROSENE—(Limerick) 100 cs, 8,500 lbs, Wellington; 200 dms, 71,820 lbs, Melbourne; 150 cs, 12,750 lbs, Auckland-Lyttelton; 105 dms, 37,910 lbs, Auckland; 250 dms, 89,780 lbs, Sydney
DISTILLATE—3,214 bbls, 943,040 lbs, Gertrude Maersk
MOLYBDENUM, CONCE—220 sx, 22,850 lbs, Amerika, Rotterdam
OIL, CODLIVER—770 lbs, City of Bedford, Manila
DIESEL—35,312 bbls, 11,017,340 lbs, Limerick., Papeete; 4,791 bbls, 1,494,790 lbs, Limerick, Papeete; 5,449 bbls, 1,700,090 lbs, Salawati, Manila; 101,172 bbls, 3,156,-660 lbs, Athelking, Curacao
FUEL—16,579 bbls, 5,520,810 lbs, Omurosan, Osaka; 9,325 bbls, 3,105,230 lbs, Limerick, Papeete; (Ontariolite) 37,301 bbls, 12,421,-230 lbs, Antofagasta; 37,301 bbls, 12,421,-230 lbs, Iquique
GRAPEFRUIT—8 cs, 500 lbs, Pacific Ranger, London
LUBRICATING—499 bbls, 193,610 lbs, Limerick, Melbourne; 10 pls, 260 lbs, Salawati, Manila
MOTOR—5 dms, 1,600 lbs, Salawati, Manila
PINE—30 dms, 13,500 lbs, Roseville, Manila
PAINT—1,000 lbs, Limerick, Wellington; 3,440 lbs, Salawati, Haiphong
PECTIN, CITROUS—1,200 lbs, Pacific Ranger, London
PETROLEUM, CRUDE—73,344 bbls, 22,883,330 lbs, Hoyo, Tokuyama
SOAP, FLAKE—20 cs, 660 lbs, Rosebank, Vancouver
POWDER—52 cs, 1,430 lbs, Rosebank, Vancouver
SODA ALGINATE—500 lbs, Rosebank, Vancouver
ASH—272 bgs, 31,510 lbs, Limerick, Auckland; (Gertrude Maersk) 200 bgs, 40,000 lbs, Manila; 1,120 bgs, 224,000 lbs, Shanghai; (Salawati) 36 bgs, 7,200 lbs, Batavia; 30 bgs, 6,000 lbs, Cheribon
SOLVENTS—100 dms, 34,790 lbs, Pacific Ranger, London; (Limerick) 31 dms, 11,-350 lbs, Melbourne; 45 dms, 16,380 lbs, Wellington; 31 dms, 11,350 lbs, Sydney
TOILET PREPS—340 lbs, Amerika, Kingston; 250 lbs, Elbe, San Salvador; (Columbian) 210 lbs, Mayaguez; 470 lbs, Ciudad; 1,580 lbs, Roseville, Manila
TURPENTINE—100 cs, 8,000 lbs, Limerick, Auckland
ZINC STEARATE—100 lbs, Pacific Ranger, London

Mobile Exports
Clearance Dates

Maria, June 3; Neptuno, July 15

PITCH, COKE—500 tons, Maria, Ancona
ROSIN—435 bbls, Neptuno, Havana

New Orleans Exports
Clearance Dates

Cefalu, July 12; Contessa, July 5; Edgehill, July 2; Effingham, July 1; Katuragi, July 13; Keiyo, July 2; Leerdam, July 1; Morazan, July 7; Munsterland, July 13; Normandiet, July 1; Oiltrader, July 20; Skelbred, July 8; Tegucigalpa, July 15; Thelma, July 5; Wasgenwald, June 14; West Gambo, July 1

ASPHALT—312 dms, Cefalu, Iquique; 20 tons, West Gambo, Avonmouth; 25 tons, Edgehill, London; 15 tons, Effingham, Havre
GILSONITE—40 tons, Wasgenwald, Hamburg
BLACK, CARBON—(Skelbred) 70 cs, 176 sx, Yokohama; 22 cs, Kobe; (Keiyo) 110 sx, Kobe; 1,046 cs, Yokohama; 7 cs, Osaka; (Effingham) 72 tons, Havre; 3 tons, Rotterdam; (Munsterland) 14 cs, Yokohama; 240 sx, Kobe; 50 cs, Hongkong; 9 cs, Manila; 15 tons, Wasgenwald, Hamburg; (West Gambo) 69 tons, Glasgow; 7 tons, Dublin; (Edgehill) 23 tons, Hamburg; 1 ton, Hull
BONES, ANIMAL, DRD—285 sx, Skelbred, Osaka
CARBON TETRACHLORIDE—5 tons, Morazan, Vera Cruz
CLAY—27 tons, West Gambo, Glasgow; (Edgehill) 18 tons, Hamburg; 27 tons, Hull
COCOA WASTE—19 tons, Leerdam, Amsterdam
CORN FLOUR—202 tons, Leerdam, London; (West Gambo) 14 tons, Dublin; 101 tons, Avonmouth
SYRUP—(West Gambo) 21 tons, Glasgow; 22 tons, Dublin; 39 tons, Belfast-Dublin; 21 tons, Edgehill, London
COTTONSEED HULL SHAVING PULP—(Effingham) 15 tons, Antwerp; 48 tons, Rotterdam; 20 tons, West Gambo, Avonmouth
FIRECLAY—20 sx, Contessa, Ceiba
GASOLINE—4,230 tons, Katuragi Maru, Dairen
GREASE, LUBRICATING—(Skelbred) 12 bbls, Osaka; 4 bbls, Kobe; 2 dms, Cefalu, Puerto Cabezas
HERBS—1 ton, Edgehill, London
INK—5 dms, 4 kits, Cefalu, Havana
KEROSENE—3 dms, Contessa, Ceiba; 50 cs, Cefalu, Puerto Cabezas
LARD—250 tins, Tegucigalpa, Vera Cruz
SUBSTITUTE—2 cs, Munsterland, Hongkong
LEATHER, DRESSING—6 tons, Morazan, Vera Cruz
LICORICE MASS—1 ton, Tegucigalpa, Vera Cruz
OIL, COTTONSEED, REFD—195 cs, Munsterland, Hongkong
FUEL—(Contessa) 325 bbls, Puerto Cabezas; 1,400 bbls, Ceiba
GAS—8,550 tons, Oiltrader, Rotterdam
LUBRICATING—(Keiyo) 834 dms, Yokohama; 80 dms, Osaka; 50 dms, Hongkong; (Cefalu) 13 dms, Puerto Cabezas; 4 dms, Ceiba; (Leerdam) 15 tons, London; 14 tons, Antwerp; 6 tons, Rotterdam; (Effingham) 174 tons, Havre; 14 tons, Antwerp; 120 dms, Munsterland, Kobe; (Edgehill) 120 tons, Hamburg; 10 tons, London; 14 tons, Hull
PINE—(Munsterland) 4 tons, Kobe; 2 tons, Manila
PARAFFIN—(Leerdam) 33 tons, London; 10 tons, Antwerp; 250 sx, Contessa, Tumaco; 250 sx, Cefalu, Valparaiso; 509 sx, Morazan, Vera Cruz; 509 sx, Tegucigalpa, Vera Cruz; (Wasgenwald) 3 tons, Hamburg; 10 tons, Bremen-Hamburg; (West Gambo) 27 tons, Dublin; 50 tons, Avonmouth
PETROLATUM—14 tons, Effingham, Havre; 11 tons, Munsterland, Kobe; 64 tons, Wasgenwald, Bremen,-Hamburg
PETROLEUM, COKE—4,374 tons, Normandiet, Caronte
CRUDE—2,809 tons, Thelma, Trieste
PINETAR—6 tons, Effingham, Havre
ROSIN—456 dms, Contessa, Valparaiso; 10 dms, Cefalu, Panama City; (Wasgenwald) 11 tons, Hamburg; 10 tons, Bremen
WOOD—25 dms, Cefalu, Panama; (Leerdam) 21 tons, London; 13 tons, Rotterdam; 200 dms, Munsterland, Hongkong
SALT—2 tons, Contessa, Ceiba; 90 tons, Cefalu, Havana
SLIPPERY ELM BARK—3 tons, Edgehill, London
STARCH—5 tons, West Gambo, Avonmouth
CORN—276 tons, Leerdam, London
TURPENTINE—19 tons, West Gambo, Avonmouth; 19 tons, Edgehill, Hamburg
WOOD—24 tons, Leerdam, London; 12 tons, Munsterland, Osaka

Newport News Exports
Clearance Date

Manchester Exporter, July 20

CORN SUGAR—800 bgs, 81,200 lbs, Manchester Exporter, Manchester
STARCH—15,400 bgs, 2,171,400 lbs, Manchester Exporter, Manchester

Norfolk Exports
Clearance Date

Manchester Exporter, July 20

TANNING EXTRACT—(Manchester Exporter) 300 bbls, 177,768 lbs, Liverpool; 75 bbls, 44,253 lbs, Manchester

Philadelphia Exports
Clearance Dates

Aachen, July 23; Black Hawk, July 19; Bonheur, July 15; Challenger, July 18; City of Dalhart, July 22; City of Khios, July 15; Exmoor, July 22; Glaucus, July 21; Jeff Davis, July 15; Liberty, July 18; Nako, July 19; Pocone, July 18; Quaker City, July 21; Rothesay Castle, July 19; Sessa, July 21; Tosan, July 22

ALCOHOL, BUTYL—(City of Dalhart) 3 dms, Sydney; 6 dms, Melbourne
ALUMINA HYDRATE—20 bbls, Quaker City, Dublin
SULPHATE—300 bgs, Jeff Davis, Manila
APPLE POMACE—216 pkgs, Black Hawk, Rotterdam
ASPHALTUM—45 dms, City of Dalhart, Melbourne
BLACK, BONE—2 bgs, City of Khios, Bombay
BUTYL ACETATE—(City of Dalhart) 27 dms, Sydney; 59 dms, Melbourne
CEMENT—11 cs, City of Khios, Teheran
FIBRE—1 dm, Sessa, Valparaiso
RUBBER—2 dms, Sessa, Valparaiso
CHEMICAL SPECIALTY—1 dm, Liberty, London; 3 dms, Rothesay Castle, Capetown
CLEANER—6 dms, City of Khios, Calcutta 6 cs, Exmoor, Algiers
GLASS—1 ctn, Quaker City, Cork
SHOE, WHITE—2 cs, Rothesay Castle, Durban
COCOA BEAN WASTE—370 pkgs, Black Hawk, Amsterdam
COLORS, DRY—2 bbls, Quaker City, Dublin
CYANIDE, CRUDE—6 dms, City of Dalhart Sydney
DRESSING, AUTO TOP—1 ctn, Bonheur, Para 3 cs, City of Khios, Bombay
DRUGS—19 pkgs, Aachen, Hamburg
DYESTUFF—1 bbl, Tosan, Tientsin
ETHYL FLUID—10 dms, Exmoor, Algiers
GASOLINE—(Bonheur) 500 dms, 1,000 cs, Para 100 dms, 500 cs, Maranhao; 3,000 cs, Parnahyba; 700 dms, 1,000 cs; Ceara; 2,000 cs, Natal; 2,500 cs, Pernambuco; 300 cs Maceio; 4,000 cs, Bahia; (Rothesay Castle) 1,500 cs, Walfisch Bay; 1,000 cs Luderitz Bay; 200 cs, Capetown; 1,000 cs Durban; 750 cs, Lourenco Marques; 800 cs, Beira; 12 pkgs, Aachen, Hamburg
GREASE, LUBRICATING—(Bonheur) 15 bskts Pernambuco; 5 cs, 9 bbls, 15 bskts, Maceio; 1 cs, City of Khios, Bombay; 3 cs, 10 bbls, 30 bskts, Pocone, Santos; (Black Hawk) 108 pkgs, Rotterdam; 2 pkgs, Amsterdam; (Rothesay Castle) 35 cs, 55 dms 80 bskts, Capetown; 20 cs, 25 dms, 8 bskts, Mossel Bay; 10 drs, Port Elizabeth; 30 cs, East London; 35 cs, 10 dms 95 bskts, Durban; 30 cs, 90 bskts, Lourenco Marques; 10 bskts, Beira; (City o Dalhart) 5 cs, Brisbane; 6 dms, Sydney 56 dms, Melbourne; 6 dms, 20 cs, 5 dms Adelaide; 19 dms, Freemantle; 1 pkg Aachen, Hamburg
INSECTICIDE—(City of Khios) 3 ctns, Tel Aviv; 11 cs, Dar-es-Salaam
IRON ORE—3 pkgs, Black Hawk, Antwerp
KEROSENE—(Bonheur) 1,000 cs, Para; 1,50 cs, Maranhao); 2,000 cs, Parnahyba; 1,00 cs, Ceara; 1,000 cs, Natal; 2,200 cs Maceio; 4,000 cs, Bahia
LACQUER—4 ctns, Bonheur, Para; 3 cs, Cit of Khios, Alexandria
REDUCER—4 dms, City of Khios, Alexandria
LEAD TETRAETHYL—(City of Dalhart) dms, Brisbane; 8 dms, Sydney; 5 dms Melbourne; 3 dms, Adelaide; 3 dms, Freemantle
LICORICE EXTRACT—(Black Hawk) 90 pkg Antwerp; 70 pkgs, Rotterdam; 9 cs, Cit of Dalhart, Freemantle
LIGNIN LIQUOR—10 bbls, City of Dalhar Brisbane
LINSEED OILCAKE—1,162 pkgs, Black Haw Antwerp
MEAL—2,000 bgs, Quaker City, Belfast
MANGANESE ORE—6 drs, Black Hawk, An werp
MEDICINAL PREPS—(City of Khios) 22 c Calcutta; 1 ctn, Madras

MINERAL SPIRITS—(Rothesay Castle) 22 cs, Capetown; 10 cs, Mossel Bay; 10 cs, Port Elizabeth; 15 cs, 40 bbls. East London; 82 bbls, Durban; 15 cs, Beira
NAPHTHALENE—6 ctns, Jeff Davis, Honolulu
OIL, ILLUMINATING—(Rothesay Castle) 400 cs, Walfisch Bay; 1,000 cs, Luderitz Bay; 850 cs, Capetown; 300 cs, Mossel Bay; 650 cs, Port Elizabeth; 100 cs, East London; 3,500 cs, Durban; 3,000 cs, Lourenco Maruques; 2,300 cs, Beira.
LUBRICATING—(Liberty) 271 bbls, Havre; 14 drs, London; 15 drs, Jeff Davis, Manila; (Bonheur) 200 cs, 48 drs, Ceara; 20 cs, Natal; 30 cs, 60 drs, Perambuco; 10 cs, 15 drs, Maceio; (City of Khios) 2,233 drs, 525 cs, Bombay; 730 drs, 677 cs, Calcutta; 295 drs, 30 cs, Port Said; 2 cs, Bangkok; 41 ctns, Singapore; 4 cs, Aden; 488 drs, 100 pls, 860 cs, Karchi; 302 drs, Basra; 1 dr, Colombo; 589 drs, 175 cs, Madras; 253 drs, 100 pls, 79 cs, Rangoon; (Challenger) 1,105 pkgs, Mombassa; 60 pkgs, Tanga; 107 pkgs, Dar-es-Salaam; 10 pkgs, Zanzibar; (Pocone) 175 bbls, 31 drs, 780 cs, 10 bskts, Santos; 150 cs, 5 drs, Rio de Janeiro; (Nako Maru) 811 drs, Yokohama; 243 drs, Moji; 254 drs, Kobe; (Black Hawk) 267 pkgs, 2,105 bbls, Antwerp; 29 pkgs, Rotterdam; (Rothesay Castle) 70 drs, 20 cs, Walfisch Bay; 190 drs, 395 cs, Walvis Bay; 410 pkgs, 50 cs, 15 drs, Luderitz Bay; 40 cs, 631 drs, 40 bskts, Capetown; 425 drs, 423 cs, 80 bskts, Mossel Bay; 325 drs, 10 cs, Port Elizabeth; 330 drs, 15 bskts, East London; 910 cs, 50 bskts, 640 drs, Durban; 240 cs, 150 bskts, 746 drs, Lourenco Marques; 170 cs, 55 bskts, 141 drs, Beira; (Glaucus) 468 pkgs, Bangkok; 15 drs, 20 cs, Sourabaya; 439 pkgs, Port Swettenham; 845 pkgs, 91 drs, Penang; 30 bbls, 321 drs, 788 cs, Singapore; (Quaker City) 32 ctns, Cork; 83 drs, 26 ctns, Belfast; 331 drs, Glasgow; (Exmoor) 30 cs, Tangier; 30 drs, Algiers; 3 drs, Sessa, Valparaiso; (City of Dalhart) 165 drs, 75 pkgs, Brisbane; 20 drs, 94 pkgs, Sydney; 38 drs, New Guinia; 10 bbls, 44 drs, 607 pkgs, Melbourne; 15 pkgs, Hobart; 138 drs, 100 porpails, 215 pkgs, Adelaide; 91 drs, 1 cs, 1,625 pkgs, Freemantel; 88 pkgs, Newcastle; 25 pkgs, Rockhampton; 5 pkgs, Townsville; 10 pkgs, Cairns; 10 pkgs, Port Firie; 100 bbls, 822 pkgs, Aachen, Hamburg
TRANSFORMER—80 drs. Pocone, Santos
PAINT—81 ctns, Bonheur, Para; 8 ctns, Quaker City, Cork; 1 cs, 9 drs, 44 pls, Sessa, Valparaiso
PARAFFIN—51 bgs, City of Khios, Bombay; (Black Hawk) 42 pkgs, Rotterdam; 126 pkgs, Amsterdam; 26 bbls. Glaucus, Bangkok; (Quaker City) 255 bgs, Liverpool; 426 bbls. Dublin; 255 bbls, Glasgow; 546 pkgs, 128 bbls, Aachen, Hamburg
REFINED—300 bgs, Tosan, Tientsin; 6 bgs, Aachen, Bremen
SEMI-REFINED—600 bbls, Tosan, Taingtan
PETROLATUM—5 drs, City of Dalhart, Brisbane
PHOSPHATE, TRI — 340 bgs, Quaker City, Dublin
SILICATE—39 drs, Quaker City, Warrington via Manchester
POLISH, AUTO—1 ctn, Bonheur, Para; 100 ctns, Quaker City, Cork
FURNITURE—1 cs, City of Khios, Dar-es-Salaam
RESIN—1 pkgs, Black Hawk, Rotterdam
COALTAR—1 dr, City of Dalhart, Sydney
RUBBER COMP AGENTS—17 drs, Bonheur, Manaos
RUBBING COMPOUND—6 ctns, Quaker City, Cork
SODA ASH—2 drs, City of Khios, Bombay
SOLDER,RADIATOR—6 ctns, Quaker City, Cork
TANNING EXTRACT—10 bbls, Quaker City, Belfast
TOILET PREPS—2 cs, Rothesay Castle, East London
VALVE GRINDING COMP — 2 cs, City of Khios, Colombo; 1 ctn, Quaker City, Cork
WAX, AUTO—2 ctns, Bonheur, Para; 24 ctns, City of Khios, Tela-Aviv

Port Arthur Exports

Clearance Dates

Genevieve Lykes, July 11; Invershannon, July 12; Permian, July 15; Polartank, July 15; Realf, July 14; Solitaire, July 13; Todaro, July 12

ASPHALT, PETROLEUM—(Genevieve Lykes) 358 dms, 5 cs, 1 bx, San Juan; 1 bx, Arecibo; 888 dms, Guayanilla; 100 dms, 1 bx, Permian, Mayaguez
GASOLINE — 50 bbls, Genevieve Lykes, San Juan; 101,507 bbls, Realf, Gothenburg; 50 dms, Permian, Buenos Aires
GREASE, LUBRICATING—(Genevieve Lykes) 2 dms, 9 ctgs, 100 cs, 15 pls, San Juan; 4 half bbls, Guayanilla; (Permian) 11 bbls, 6 dms, 4 cs, Buenos Aires; 2 pls, Mayaguez; 25 ctgs, 13 cs, Ponce; 30 cs, 1 ctg, Aguadilla
KEROSENE—(Genevieve Lykes) 1,800 cs, San Juan; 505 cs, Arecibo; (Permian) 206 cs, Buenos Aires; 800 cs, Mayaguez; 600 cs, Ponce; 600 cs, Aguadilla
OIL, FUEL—2 dms, Solitaire, Dagon and Manchester
GAS—74,834 bbls, Polartank, Hamburg
LUBRICATING—(Genevieve Lykes) 144 dms, 28 ctgs, 243 cs, San Juan; 11 dms, 8 cs, Arecibo; 5 dms, Fajardo; 28 bbls, Guavanilla; 30,638 bbls, Solitaire, Dagenham and Manchester; 50 bbls, 200 dms, 200 pls, Realf, Gothenburg; (Permian) 545 dms, Buenos Aires; 6 dms, 48 cs, Mayaguez; 29 dms, 12 ctgs, 126 cs, Ponce
PETROLEUM, CRUDE—103,789 bbls, Invershannon, Bari and Venice; 53,156 bbls, Todaro, Venice; 13,036 tons, Permian, Buenos Aires; 3 dms, Realf, Gothenburg
WAX DRESSING, LIQ — 5 cs, Genevieve Lykes, San Juan

San Francisco Exports

Clearance Dates

Admiral Halstead, July 9; Bramora, July 4; Charles Racine, July 8; Elbe, July 2; Elisabeth Bakke, July 6; Florida, July 5; Hagan, July 3; Laurits Swenson, July 7; Limerick, July 7; Moldanger, July 2; Pacific Ranger, July 6; Pacific Shipper, July 9; Pat Doheny, July 7; S C T Dodd, July 9; San Diego, July 9; Shoyo, July 6; Taiyo, July 7; Terukawa, July 2; Thorshavn, July 8

ACETONE—31 dms, Limerick, Melbourne
ACETYLENE—1 cyl, Limerick, Papeete
ACID, BORIC—(Limerick) 10 sks, Wellington; 20 sks, Lyttelton; 30 sks, Auckland
FATTY—50 sks, Florida, Costa Rica
MURIATIC—80 pkgs, Admiral Halstead, Philippine Islands
SULPHURIC—25 crbys, Admiral Halstead, Manila
ALCOHOL—3 pls, Limerick, Papeete
DENATURED—2 cs, Limerick, Papeete
AMYL ACETATE—5 dms, Limerick, Wellington
ASPHALT—10 dms, Florida, Peru; 492 dms, Limerick, Auckland
ASPHALT, GILSONITE—57 sks, Pacific Ranger, Manchester; 35 sks, Limerick, Wellington
BABASSU MEAL—2,240 sks, Laurits Swenson, Oslo
BARYTES—200 sks, Limerick, Wellington
BENZIN—(Limerick) 50 dms, Sydney; 100 dms, Melbourne; 5 dms, Lyttelton; 25 dms, Wellington
BENZOL—10 dms, Limerick, Wellington
BLACK, CARBON—40 sks, Taiyo, Tokyo
BLOOD MEAL—2 sks, Limerick, Papeete
BONE ASH—2 dms, Florida, Costa Rica
MEAL—12 sks, Limerick, Papeete
BRONZING LIQ—1 cs, Admiral Halstead, Philippine Islands
CALCIMINE—27 bbls, Terukawa, Venezuela
CALCIUM CHLORIDE—3 dms, Limerick, Papeete; 200 cans, Admiral Halstead, Philippine Islands
CARBON DIOXIDE—6 cyls, Limerick, Papeete
CEMENT, ROOF—(Admiral Halstead) 11 cs, Philippine Islands; 12 cs, Cebu
CHARCOAL—374 sks, Elisabeth Bakke, England
CHLORINE BLEACH, LIQ—60 cs, Limerick, Papeete
CINNAMON—5 bls, Florida, Costa Rica
CLEANER, LIQ—2 dms, 4 cs, S C T Dodd, Vancouver
COALTAR—1 dm, Limerick, Papeete
COBALT CONC—3,400 pkgs, Limerick, Wellington
COLOR, DRY—4 kgs, Moldanger, France; 23 cs, Florida, Costa Rica
LIQUID—1 cs, Limerick, Papeete
DYE, GASOLINE—2 pls, S C T Dodd, Vancouver
FIRECLAY—15 sks, Elbe, Colon
GASOLINE—(Limerick) 500 dms, Lyttelton; 245 dms, 1,820 cs, Papeete; 4,051 dms, Admiral Halstead, Manila
AVIATION—27,000 bbls, Bramora, Hamburg; 500 dms, Admiral Halstead, Manila
GINGER ROOT—(Limerick) 120 sks, Sydney; 24 sks, Melbourne
GLUE, DRY—20 pls, Admiral Halstead, Cebu
GREASE, AXLE—1 cs, Limerick, Papeete
CUP—1 cs, Limerick, Papeete
LUBRICATING—99 dms, Limerick, Sydney; 60 dms, 15 pls, Admiral Halstead, Manila; 64 dms, 11 half dms, 10 qtr dms, 232 pls, 230 cs, S C T Dodd, Vancouver
HOPS—3 cs, Limerick, Papeete
HYDROGEN PEROXIDE—(Limerick) 25 cs, Wellington; 18 cs, Lyttleton; 14 cs, Auckland
INK—1 cs, Limerick, Papeete
PRINTING—(Florida) 25 dms, Chile; 5 dms, Mexico; 5 dms, Ecuador
INSECTICIDE—3 cs, Laurits Swenson, Oslo
DRY—79 dms, Limerick, Napier
LIQUID—35 cs, S C T Dodd, Vancouver
KEROSENE — 70,768 bbls, Hagan, Curacao; 1,100 cs, 5 dms, Limerick, Papeete
LACQUER—10 cs, Elbe, San Salvador; 10 pls, 2 dms, Limerick, Wellington
UNDERCOAT—2 cs, Elbe, San Salvador
LEMON PEEL—1 cs, Limerick, Papeete
LIGHTER FLUID—15 cs, S C T Dodd, Vancouver
LINING COMP—5 dms, Limerick, Auckland
RUBBER—3 dms, Limerick, Auckland
LITHOPONE—10 bbls, Limerick, Wellington
LYE—4 cs, Limerick, Papeete
MAGNESITE — 400 sks, Laurits Swenson, Sauda
MEDICINAL PREPS—(Limerick) 4 cs, Christchurch; 4 cs, Papeete
MILK SUGAR—(Pacific Ranger) 224 bbls, London; 825 bbls, Manchester
MINERAL SPTS—(Limerick) 50 dms, Auckland; 10 dms, Lyttleton
NAPHTHA—(Limerick) 400 dms, Melbourne; 15 dms, Auckland; 5 dms, Lyttleton; 100 dms, Wellington
OIL, COCONUT—4 dms, Limerick, Papeete
DIESEL — 4,164 bbls, Limerick, Papeete; 98,224 bbls, Charles Racine, Japan; 68,055 bbls, San Diego, Japan
ENGINE—10 cs, Limerick, Papeete
FUEL—5,249 bbls, San Diego, Japan
LINSEED—2 dms, Terukawa, Guatemala; 15 cs, 15 kgs, Limerick, Papeete
LUBRICATING—(Florida) 13 dms, Peru; 2 dms, Costa Rica; 302 cs, 345 dms, Chile; 100 dms, Ecuador; (Taiyo) 80 dms, Kobe; 16 dms, Yokohama; (Limerick) 70 dms, Sydney; 205 dms, Melbourne; 1 cs, Palmerston; 30 dms, Auckland; 20 dms, Lyttleton; 31 dms, Wellington; 5 dms, Papeete; 575 dms, 40 cs, Admiral Halstead, Manila; 558 dms, 5 pls, 25 cs, S C T Dodd, Vancouver
LIME—2 cs, Limerick, Melbourne
NEATSFOOT—1 cs, Florida, Costa Rica
ORANGE PEEL—1 cs, Limerick, Papeete
OXYGEN—1 cyl, Limerick, Papeete
PAINT—5 cs, Elbe, San Salvador; (Terukawa) 144 kgs, 8 dms, Guatemala; 4 kgs, San Salvador
PAINT—(Florida) 21 kgs, 8 cs, Peru; 58 cs, 2 dms, 15 pls, Costa Rica; (Limerick) 1 cs, Pirae; 20 cs, Papeete; (Admiral Halstead) 389 pkgs, Philippine Islands; 40 kgs, Manila
ALUMINUM—5 dms, Terukawa, Cuba; 7 cs, Admiral Halstead, Philippine Islands
ALUMINUM, PASTE—1 cs, Terukawa, San Salvador
ENAMEL—(Admiral Halstead) 42 cs, Philippine Islands; 166 cs, Cebu
LIQUID—6 kgs, 4 cs, Terukawa, San Salvador; (Admiral Halstead) 127 pkgs, Philippine Islands; 117 cs, Cebu
PASTE—4 cs, Limerick, Papeete
PREPARED — (Admiral Halstead) 21 cs, Philippine Islands; 48 cs, Cebu; 5 kgs, Manila; 44 cs, Limerick, Papeete
PRIMER—1 cs, Florida, Peru
ROOF—2 dms, 8 cs, Terukawa, San Salvador
THINNER—196 pkgs, Admiral Halstead, Philippine Islands; 5 dms, S C T Dodd, Vancouver
PARAFFIN—104 sks, 12 kgs, Florida, Chile
PETROLEUM—(Limerick) 310 dms, Sydney; 25 dms, Melbourne; 58 dms, 30 cs, Auckland; 45 dms, Lyttleton; 5 dms, Wellington; 36 dms, 27 cs, S C T Dodd, Vancouver
CRUDE—5,000 tons, Shoyo, Japan; 79,997 bbls, Thorshavn, Japan; 78,104 bbls, Pat Doheny, Shellburn
REFD—(Limerick) 180 dms, Sydney; 50 dms, Lyttleton; 20 dms, 60 cs, Papeete
PITCH—4 bdls, Limerick, Papeete
POLISH—2 dms, Limerick, Wellington
AUTO—5 cs, S C T Dodd, Vancouver
FURNITURE—1 cs, Limerick, Papeete; 4 cs, S C T Dodd, Vancouver
METAL—30 cs, Limerick, Papeete
SHOE—1 cs, Limerick, Papeete
PUTTY—3 cs, Limerick, Papeete
RESIN, SYNTH—5 dms, Limerick, Wellington
ROSIN, GUM—(Limerick) 75 bbls, Wellington; 6 bbls, Napier
WOOD—15 bbls, Limerick, Wellington
SALT—365 sks, 38 bbls, Limerick, Papeete
SHELLAC—1 cs, Limerick, Papeete
WHITE—(Pacific Shipper) 5 bbls, Victoria; 10 bbls, Vancouver
SHOCK ABSORBER FLUID—2 cs, S C T Dodd, Vancouver
SODA ASH—20 sks, Limerick, Papeete
CAUSTIC—4 dms, Limerick, Papeete
NITRATE—100 sks, Limerick, Papeete
SAL—20 sks, 2 sks, Limerick, Papeete
SILICATE—3 dms, Limerick, Auckland
SOLVENTS—2 cs, Florida, Chile
STAIN—8 cs, Admiral Halstead, Philippine Islands
SULPHUR—(Limerick) 143 sks, Lyttleton; 1 sk, Papeete
TAR—1 dm, Limerick, Papeete
TIN PASTE—10 pls, Limerick, Auckland
TOLUOL—1 dm, Limerick, Christchurch
TOILET PREPS—(Limerick) 1 cs, Wellington; 3 cs, Papeete; 3 cs, Admiral Halstead, Rizal
TREE WASH—9 dms, 39 cs, Limerick, Lyttleton
TURPENTINE—(Limerick) 3 dms, Auckland; 40 pls, Wellington; 1 cs, Papeete
GUM—(Limerick) 25 cs, Wellington; 40 cs, Auckland; 40 cs, Lyttleton; 1 cs, Papeete
WOOD—5 dms, Limerick, Wellington
VARNISH—3 cs, Elbe, San Salvador; 3 cs, Terukawa, San Salvador; 2 cs, Florida, Peru; 1 cs, Limerick, Papeete; 4 cs, Admiral Halstead, Cebu
REMOVER—1 cs, Florida, Peru
STAIN—1 cs, Elbe, San Salvador
WAX, FLOOR—1 cs, Limerick, Papeete; 10 qtr dms, S C T Dodd, Vancouver
POLISH—2 cs, Limerick, Papeete; 2 cs, S C T Dodd, Vancouver
ZINC DUST—20 cs, Elbe, Salaverry

Savannah Exports

Clearance Dates

Margaret, July 16; Kasii, July 17; Monbaldo, July 15; Port Brisbane, July 16; Schoharie, July 16; Javanese Prince, July 13; Tampa, July 18; Haughton Hall, July 23

CLAY—1,200 bgs, Port Brisbane, Melbourne; (Tampa) 880 bgs, London; 600 bgs, Bremen; 2,200 bgs, Schoharie, Manchester
COTTON LINTERS—441 bls, Tampa, Hamburg; 82 bls, Schoharie, Hamburg
DEER TONGUE LEAVES—2 bls, Monbaldo, Genoa; (Tampa) 2 bls, London; 9 bls, Antwerp; 55 bls, Hamburg; 48 bls, Bremen
GLUCOSE—105 bbls, Javanese Prince, Manila
OIL, PINE—97 dms, Karii, Osaka; (Port Brisbane) 5 dms, Sydney; 3 dms, Melbourne; 4 dms, Fremantle; 15 dms, Adelaide
PINETAR—80 dms, Port Brisbane, Melbourne
ROSIN—5 bgs, Port Brisbane, Fremantle
GUM—(Kasii) 136 bbls, Yokohama; 625 bbls, Osaka; (Monbaldo) 522 bbls, Genoa; 50 bbls, Naples; 65 bbls, Venice; (Port Brisbane) 60 bbls, Manchester; 100 dms, 280 bbls, Sydney; 280 bbls, Melbourne; 45 bbls, Adelaide; (Schoharie) 1,780 bbls, Liverpool; 9 bbls, Manchester; 114 bbls, Hamburg; (Javanese Prince) 140 bbls, Hamburg; 48 bbls, Tripoli; 250 bbls, Czechoslovakia; (Haughton Hall) 5 bbls, Aden; 180 bbls, Bombay; 60 bbls, Calcutta
WOOD—(Kasii) 100 bbls, Yokohama; 339 bbls, Osaka; 50 bbls, Kobe; (Port Brisbane) 60 bbls, Sydney; 25 bbls, Melbourne; 5 bbls, Fremantle; 50 bbls, Adelaide; 37 bbls, Haughton Hall, Alexandria
TURPENTINE GUM—(Port Brisbane) 38 dms, 250 cs, 25 pls, Manchester; 50 pls, 382 dms, 1,345 cs, Sydney; 10 dms, Newcastle; 80 dms, 820 cs, 73 pls, Melbourne; 10 cs, Fremantle; 25 dms, 30 cs, Adelaide; (Schoharie) 525 bbls, Liverpool; 300 bbls, Manchester; 50 bbls, Czechoslovakia; (Tampa) 1,894 bbls, London; 50 bbls, Hamburg; (Haughton Hall) 20 cs, Calcutta; 20 cs, Rangoon
WOOD—75 dms, Kasii, Osaka; (Port Brisbane) 416 dms, 25 bbls, Manchester; 535 dms, Sydney; 208 dms, Melbourne; 50 dms, Albany; 80 dms, Fremantle; 32 dms, Adelaide; 32 cs, Javanese Prince, Manila

Tampa Exports

Clearance Date

Boschdijk, July 16

PHOSPHATE—4,187 tons, Boschdijk, Rotterdam

Coastwise Shipments

Corpus Christi Coast Trade

GASOLINE—71,906 bbls, C A Canfield, Baytown
OIL, FUEL—70,043 bbls, W E Hutton, Baytown
GAS—16,421 bbls, Bidwell, Baytown
PETROLEUM, CRUDE—71,019 bbls, W F Burdell, Baytown; 47,222 bbls, Amsco, Baytown; 60,452 bbls, Federal, Baytown; 53,133 bbls, Bidwell, Baytown; 46,384 bbls, Dannedalke, Baytown; 106,993 bbls, Paco, Baytown; 27,826 bbls, Alabama, Baytown; 73,641 bbls, Derbyline, Baytown; 21,827 bbls, Chiloil, Baytown; 101,543 bbls, Chester Sun, Baytown; 141,830 bbls, Charles G Black, Baytown; 72,999 bbls, L J Drake, Baytown; 69,706 bbls, Beta, Baytown

Los Angeles Coast Trade

GASOLINE—75,383 bbls, Huguenot, San Francisco; 26,509 bbls, Edwin B de Golio, Richmond; 65,247 bbls, Agwiworld, Seattle; 10,506 bbls, Tejon, Portland; 8,594 bbls, San Diegan, San Diego; 60,360 bbls, Mojave, Seattle; 81,985 bbls, Tulsages, Seattle; 43,688 bbls, Deroche, Seattle; 75,000 bbls, Camden, Portland; 31,803 bbls, Edwin Be de Golio, Richmond
OIL, DIESEL—5,522 bbls, Huguenot, San Francisco; 5,378 bbls, Edwin B de Golio, Richmond; 18,443 bbls, Agwiworld, Seattle; 2,966 bbls, Tejon, Portland; 732 bbls, San Diegan, San Diego; 14,497 bbls, Mojave, Seattle; 33,599 bbls, La Placentia, Oleum; 5,439 bbls, Edwin B de Golio, Richmond
FUEL—66,286 bbls, Frank G Drum, Avon; 55,951 bbls, Tejon, Portland; 2,409 bbls, Coast Trader, Portland; 6,859 bbls, Mojave, Seattle; 5,408 bbls, Deroche, Seattle
FURNACE—5,352 bbls, Edwin B de Golio, Richmond

San Francisco Coast Trade

ALUMINA SULPHATE—10 tons, Peter Helms, Tacoma
50 tons, West Planter, Portland, Ore
50 tons, Arcata, Portland, Ore
APRICOT KERNELS PULP—20 tons, Hanley, Philadelphia
ASPHALT—25 tons, Wallingford, Seattle
BARIUM—15 tons, Wallingford, Seattle
CEMENT, LIQUID—43 tons, West Planter, Portland, Ore
CHLORINE BLEACH, LIQUID—13 tons, Peter Helms, Seattle
COTTONSEED MEAL—30 tons, Arcata, Portland, Ore
CRACKLINGS—25 tons, Coast Merchant, Portland, Ore
75 tons, West Planter, Portland, Ore
25 tons, West Shipper, Portland, Ore
FIG PASTE—16 tons, Coast Merchant, Portland, Ore
GASOLINE—60,300 bbls, S C T Dodd, Point Wells
AVIATION—2,200 bbls, S C T Dodd, Point Wells
HAIR PREPS—2 tons, Hanley, Brooklyn
LARD SUBSTITUTE—16 tons, West Planter, Portland, Ore
LIME—30 tons, Peter Helms, Seattle
30 tons, West Planter, Portland, Ore
MINERAL—20 tons, Arcata, Portland, Ore
OIL—15 tons, Wallingford, Tacoma
DIESEL—2,400 bbls, S C T Dodd, Point Wells
LUBRICATING—14 tons, Wallingford, Tacoma
70 tons, Hanley, Newark
55 tons, Hanley, Brooklyn
OLEOMARGARIN—30 tons, Arcata, Portland, Ore
30 tons, West Shipper, Portland, Ore
PAINT—18 tons, Peter Helms, Seattle
9 tons, West Planter, Portland, Ore
19 tons, Arcata, Portland, Ore
DRIER—14 tons, Harpoon, Philadelphia
16 tons, Harpoon, New York
REDUCER—13 tons, Harpoon, Philadelphia
PETROLEUM—74 tons, Arcata, Portland, Ore
GAS, LIQUID—16 tons, Arcata, Portland, Ore
SALT—1,087 tons, Peter Helms, Tacoma
43 tons, Peter Helms, Seattle
209 tons, Wallingford, Seattle
26 tons, Wallingford, Tacoma
90 tons, West Planter, Portland, Ore
91 tons, Arcata, Portland, Ore
96 tons, West Shipper, Portland, Ore
SOAP—678 cs, Coast Merchant, Portland, Ore
SODA SILICATE—21 tons, Wallingford, Tacoma
220 tons, Arcata, Portland, Ore
SPRAY, TREE—31 tons, West Planter, Portland, Ore
TALLOW—41 tons, Harpoon, Philadelphia

Cargo Ship Arrivals

July 23 to August 5

New York

Adrastus	Batavia*	Aug 5
Agwistar	Tampico*	Aug 2
Alex Van Opstal	Antwerp	July 30
American Banker	London	Aug 1
American Importer	Manchester*	Aug 1
American Oriole	Portland*	Aug 1
Amor	Maracaibo*	Aug 1
Aquitania	Southampton*	Aug 2
Argentino	Diamente*	July 26
Asakasan	Kobe*	July 28
Baalbek	Glasgow	Aug 5
Bacchus	Maracaibo	July 30
Black Condor	Rotterdam*	July 28
Black Heron	Rotterdam*	July 31
Boniface	Manaos*	Aug 2
Borinquen	Trujillo City*	Aug 1
Bremen	Bremen*	Aug 4
Britannic	Havre*	July 30
California	Glasgow*	Aug 1
Carinthia	Liverpool*	July 25
Carolinian	Portland*	July 29
City of Rayville	Kobe*	Aug 5
Coamo	Trujillo*	July 25
Conte Di Savoia	Genoa*	Aug 4
Cristobal	Cristobal*	Aug 1
Deutschland	Hamburg*	Aug 5
Drottningholm	Gothenburg	Aug 5
Europa	Bremen*	July 25
Exchange	Thessaloniki*	Aug 4
Exeter	Jaffa*	Aug 4
Fort Townshend	St John's*	July 28
Georgian	Portland*	Aug 4
Giulia	Genoa*	July 26
Golden Cloud	Honolulu*	Aug 1
Gunvor	Paramaribo*	Aug 2
Hanley	Longview*	Aug 2
Hansa	Hamburg*	July 29
Harpoon	Seattle*	Aug 1
Harry Luckenbach	Seattle*	Aug 4
Helvig	Piraeus*	July 25
Ile de France	Havre*	July 26
Independence Hall	Dunkirk*	Aug 3
Ingria	Lisbon	Aug 1
Ivaran	Sundsvall*	July 25
Jaboatao	Santos*	July 31
Jamaica	Puerto Colombia*	July 28
Julia Luckenbach	Seattle*	July 28
Kongo	Manila*	July 30
Konigstein	Antwerp	July 27
Korsholm	Gothenburg*	July 25
Kyno	Hull	Aug 1
Laconia	Liverpool*	July 31
Manhattan	Hamburg*	Aug 4
Manaqui	Demerara*	Aug 1
Marion Otis Chandler	Honolulu*	Aug 1
Milos	Sundsvall	July 31
Montanan	Tacoma*	July 26
Montgomery City	Honolulu*	July 26
Naruto	Kobe*	Aug 4
Nerissa	Trinidad*	July 30
New Columbia	Freetown*	July 28
Normandie	Havre*	Aug 1
Northern Prince	Buenos Aires*	Aug 3
Orizaba	Vera Cruz*	July 26
Pastores	Puerto Barrios*	July 28
Platano	Cristobal*	July 28
Ponce	La Romana*	Aug 1
President Harding	Hamburg*	July 30
President Polk	Honolulu*	Aug 1
Primero	Victoria*	July 30
Puerto Rico	Ponce*	July 27
Rio Branco	Bahia*	July 24
San Rafael	Portland*	Aug 5
Santa Barbara	San Antonio*	July 25
Santa Elena	Curacao*	July 25
Santa Rita	Chanaral*	Aug 1
Santa Rosa	Curacao*	Aug 1
Scanpenn	Gdynia*	July 27
Scanstates	Copenhagen	Aug 4
Seatrain Havana	New Orleans*	July 26
Seatrain New York	New Orleans*	Aug 2
Siamese Prince	Shanghai*	July 25
Siboney	Vera Cruz*	Aug 2
Southlure	Gdynia*	July 28
Southern Cross	Buenos Aires*	July 27
Statendam	Rotterdam*	Aug 3
Stavangerfjord	Oslo*	July 29
SteelMariner	Honolulu*	July 29
Steel Worker	Calcutta*	July 29
Talamanca	Port Limon*	July 31
Teesbank	Calcutta*	July 25
Tercero	Buenos Aires*	Aug 1
Texan	Tacoma*	Aug 1
Texas Banker	Houston	Aug 2
Texas Trader	Houston	July 26
Texmar	Longview	Aug 5
Thurland Castle	Manila*	July 28
Tiradentes	Rotterdam	Aug 4
Toulouse	Manila*	Aug 1
Troubadour	Buenos Aires*	Aug 3
Veendam	Rotterdam*	July 26
Veragua	Puerto Colombia*	Aug 4
Vermont	Portland*	July 31
Vulcania	Trieste*	July 28
West Columb	Buenos Aires*	July 31
Westernland	Antwerp*	Aug 2
West Lashaway	Duala*	Aug 5
Yamabiko	Yokohama*	July 29

* And other ports

Business Wants and Offers

Minimum rate (36 words), without display, $2.00 per insertion; 25c for each additional 6 words

Payable in advance at 59 John Street, New York

Agencies Wanted

CHEMIST and chemical engineer with private laboratory and car desires agency for chemical products or equipment in Western New York and adjacent Canadian territory. Detail fully first letter, please. BOX 940, Oil, Paint and Drug Reporter.

Containers Offered

FOR SALE—1,000 hard wood oak used barrels, perfect condition, 30" high 18" diameter, tare 55 lbs., former contents metallic ore, price 40c. per barrel f.o.b. vicinity Pittsburgh, Pa., original cost when new $2.00 per barrel. Write or wire BOX 951 Oil, Paint and Drug Reporter.

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CONSOLIDATED OFFERS.—One solid nickel jacketed agitated vacuum still 100 gallons; ten No. 3 Rotex sifters, motor driven; two 24 inch Mikro pulverizers; twelve vacuum dryers, shelf and rotary type; nine W. & P. mixers; five Sweetland filters; twenty plate type filter presses; thirty centrifugal machines; miscellaneous: rotary dryers, pulverizers, jacketed kettles, etc. Send for complete listing. We buy and sell from a single item to a complete plant. Consolidated Products Co., Inc., 15-17-19 Park Row, New York City.

FOR SALE—Two 6x8 pebble mills, 16x40 roller mills, 12x30 roller mills, 9x24 roller mills, 15 to 40-gallon pony mixers, lead mixers. Sell us your surplus equipment. Irving Barcan Company, 30 Church street, New York City.

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A NEW JERSEY company, manufacturing organic and inorganic chemicals, offers exceptional opportunity to a chemist able to fill technical executive position. Investment required. BOX 946, Oil, Paint and Drug Reporter.

Positions Vacant

WANTED—Experienced paint salesmen to sell 100% pure linseed oil, sun resisting, chrome green paint in five shades, at prices that will meet all competition. BOX 950, Oil, Paint and Drug Reporter.

Positions Vacant

THOROUGHLY TRAINED chemical engineer with experience in distillation and plant management. Prefer man about 35 to 40 years of age. Must be good handler of men and capable of taking charge of production. Give complete details of education, experience, salary desired, etc., and whether willing to learn metropolitan area. BOX 937, Oil Paint and Drug Reporter.

Positions Wanted

DISTILLATION ENGINEER—Steam, fire, fractionating column, vacuum, atmospheric, Coaltar, petroleum, alcohol, rosin, ammonia, dye intermediates, asphaltum. Fifteen years experience, design, erection, operation, maintenance. Graduate chemical engineer. BOX 928, Oil, Paint, and Drug Reporter.

PHARMACEUTICAL cost man, 37, 14 years one firm, private formula manufacturing costs, labor costs, planning production, purchasing and sales analyses. Experienced all phases private formula and standard drug, cosmetic office routine. BOX 934, Oil, Paint and Drug Reporter.

CHEMIST, chemical engineer, Ph.D., 13 years diversified experience in industrial organic chemistry including research and development, sales service, and patent application and prosecution. Creative, resourceful, and co-operative. Particular experience in synthetic materials, plastics and resins. Age 39. BOX 939, Oil, Paint and Drug Reporter.

CHEMIST—Dry color, printing ink expert thoroughly grounded in all branches of both industries, desires position with reliable firm in either or interrelated fields. Will locate anywhere. BOX 936, Oil, Paint and Drug Reporter.

EXPELLER OPERATOR.—Position wanted with expeller processing plant. Experienced with the installation, operation and maintenance of Anderson expellers. Knowledge of complete operation of a pyrethrum extract processing plant. BOX 948, Oil, Paint and Drug Reporter.

POSITION wanted as casein paint chemist. Experienced in casein paint research and production. College graduate. References furnished. BOX 947, Oil, Paint and Drug Reporter.

Positions Wanted

MAN with several years' experience in fertilizer and feeding materials seeks connection with American concern. Expert knowledge of production and marketing of phosphate materials. Has intimate acquaintance with consumers. BOX 945, Oil, Paint and Drug Reporter.

CHEMIST and chemical engineer available. Broadest experience in research, development and technical sales in building materials, textiles, cellulose industries, coatings, oils, adhesives, colloids, biochemicals and other lines. Very highest references. BOX 941, Oil, Paint and Drug Reporter.

CHEMICAL engineer, young, with two years' experience, production and laboratory, paints and varnishes. Has a proven record as good worker in that field. Will locate anywhere. BOX 942, Oil, Paint and Drug Reporter.

CHEMICAL engineer desires to take charge of factory repair shop, power plant, and to supervise construction, maintenance and renewals of chemical plant and equipment; twenty years' experience. BOX 943, Oil, Paint and Drug Reporter.

Services Offered

CHEMISTS and chemical engineers—If you are now unemployed, send your complete chronological record of education and experience to Chemist Advisory Council, 300 Madison avenue, New York City.

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BUYERS of any quantity surplus or by-product chemicals, greases, waxes, oils, solvents, colors, metal and all raw materials. We pay highest prices. Will also buy complete plant inventory. Write Barclay Chemical Company, Inc., 75 Varick street, New York City. WAlker 5-4250.

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**See "Equipment Offered" above for our Classified Listings.*

Recent Charters

PETROLEUM—7,500 tons, S S ——, crude oil, Gulf to North of Hatteras, 13c barrel; August
4,752 tons, S S Solheim, gas oil, California to Curacao, 9s; August
—— tons, S S Tavaro, dirty, Batoum to Algiers, 6s; end August
—— tons, S S ——, gasoline, Gulf to North of Hatteras, 16c barrel; prompt
3,845 tons, S S Oltema, part cargo 7,000 tons, Constanza to Hamburg, 10s 3d; August
3,743 tons, S S Cymbeline, dirty, Aruba to Genoa and (or) Fiumicino, 11s 3d, two ports discharge, 11s 9d; option Gulf loading, 12s 9d; September
709 tons, S S Theodora, clean, Constanza to Alexandria, 9s; August
745 tons, S S Inger Johanne, clean, Constanza to Alexander, 9s; end July
4,002 tons, S S Senator, dirty, Aruba to United Kingdom, Continent, 10s; August
4,329 tons, S S Clydefield, dirty, Aruba to United Kingdom, Continent, 10s; August

Imports Detained

Detentions recently effected at various ports by United States authorities on determinations by the Food and Drug Administration that products offered for import were adulterated or misbranded under the Federal food and drug act or did not comply with other customs regulations, included the following articles for the reasons stated:—

New York

Two Weeks Ended July 27

Balsam, Peru, 10 cases; restricted use.
Cassia oil, 30 drums; not U.S.P.
Cod oil, 620 barrels; restricted use.
Iron arsenate, 2 cases; deficient in arsenate; false and misleading statements.
Iron arsenate and strychnine sulphate, 2 cases; deficient in arsenate; false and misleading statements.
Medicinal preparations, 5 packages; false and misleading statements.
Medicinal preparations, 1 package; false and misleading statements; product is inert.
Medicinal preparations, 1 package; false and misleading statements; dangerous to health.
Medicinal preparations, 1 package; dangerous to health.
Medicinal preparations, 1 case; false therapeutic claims.
Plant juices, 1 case; false therapeutic claims; alcohol not declared; false and misleading statements.
Sesame seed, 72 bgs; filthy.
Caffeine-sodium benzoate, ampoules, 1 parcel; caffeine and sodium benzoate incorrectly declared.
Caffeine-sodium benzoate, ampoules, 2 parcels; benzoate of soda undeclared; deficient in caffeine.
Cod oil, 90 drums; restricted use.
Coriander seed, 75 bags; filthy.
Cumin seed, 100 bags; filthy.
Emetine hydrochloride, ampoules, 2 parcels; deficient in emetine hydrochloride.
Fruitsalts, 2 cases; contains foreign salts.
Medicinal preparations, 17 parcels; false therapeutic claims.
Vegetable flavoring extract, 3 cases; imitation of capsicum oleoresin and not so labeled.

Baltimore

Two Weeks Ended July 27

Medicinal preparations, 2 packages; false therapeutic claims.

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Boston

Two Weeks Ended July 27

Mace, 16 cases; Filthy.
Medicinal preparations, 2 parcels; false therapeutic claims.

Buffalo

Two Weeks Ended July 27

Medicinal preparations, 1 package; false therapeutic claims.

Los Angeles

Two Weeks Ended July 21

Cumin seed, 26 bags; filthy.
Medicinal preparations, 24 pieces; false therapeutic claims.

Philadelphia

Week Ended July 27

Caraway seed, 100 bags; contains exhausted seed.
Medicinal preparation, 1 parcel; false therapeutic claims.

San Francisco

Two Weeks Ended July 21

Medicinal preparations, 506 pieces; false therapeutic claims.
Medicinal preparations, 480 pieces; acetphenetidin not declared.
Medicinal preparations, 180 pieces; phenecitin not declared.
Medicinal preparations, 20 pieces; acetanilid and acetphenetidin not declared.

Charles S. Beardsley, vice-president and sales manager of Miles Laboratories, Inc., Elkhart, Ind., and his family are enjoying a European trip.

Dividends Declared

Class and period.	Amt.	Pay.	Record.
American Can Co. Com. (Q)	$1.00	Aug. 15	July 25
American Chicle Co. Com. (Q)	1.00	Sept. 15	Sept. 1
Am. Potash & Chem. Co. (Q)	1.00	July 23	July 29
Archer-Daniels Midland Co. Pfd. (Q)	1.75	Aug. 1	July 21
Bon-Ami Co. Class B	.62½	July 30	July 15
Colgate-Palmolive-Peet Co. Pfd. (Q)	1.50	Oct. 1	Sept. 6
Crown Cork & Seal Co., Ltd. (Q)	.25	July 30	Sept. 15
Cunningham Drug Stores, Inc., Com. (Q)	.25	July 27	July 21
Horn, A. C., Co. Non-Cum. pfd. (Q)	.083¾	Sept. 1	Aug. 15
Hercules Powder Co. Pfd. (Q)	1.50	Aug. 15	Aug. 4
Kennecott Copper Corp. Com.	.25	Sept. 30	Sept. 2
Libby-Owens-Ford Glass Co., Com.	.25	Sept. 15	Aug. 31
North Amer. Oil Co. Com.	.06	July 27	July 20
Proctor & Gamble Co. Com. (Q)	.50	Aug. 15	July 25
S.M.A. Corp.	.07	Aug. 1	July 20
Sharp & Dohme, Inc. Pfd. A (Q)	.87½	Aug. 1	July 15
Sterling Products, Inc. Com. (Q)	.95	Sept. 1	Aug. 15
Sun Oil Co. Com. (Q)	.25	Sept. 15	Aug. 25
Walgreen Drug Co. Com. (Q)	.25	Aug. 1	July 15

Freight Stations Abandoned By New Haven R.R. Approved

Albany, July 26, 1938

Under authority of order of the Interstate Commerce Commission and order of the Public Service Commission freight stations of the New York, New Haven & Hartford railroad canceled from the tariff on account of abandonment of line are as follows:—

Ancram, Ancramdale, Arthursburgh, Attlebury, Bangall, Billings, Briarcliff Farms, Clinton Corners, Clove Branch Junction, Fraleighs Switch, Gallatin, Jacksons Corners, Cokertown, Cooks Siding, Copake, Elizaville, Lagrange, Millerton, McIntyre, Millbrook, Moores Mills, Mt. Ross, Oak Summit, Pine Plains, Pleasant Valley, Red Hook, Rhinebeck, Rhinecliff, Salt Point, Salt Point Junction, Shumpike, Silvernails, Stanfordville, State Line, Stissing Junction, Van Wagners, Verbank, Verbank Village, Webb Farms and Willows.

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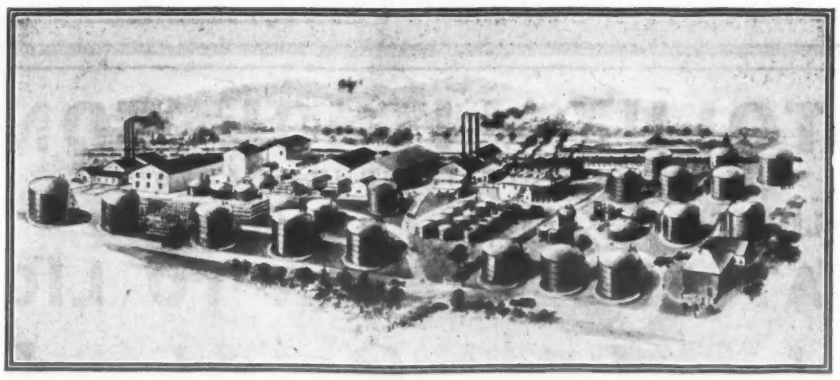

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